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POLLUTION CONTROL BRANCH

APPENDIX II

COMMUNITY NOISE LEVEL DATA OF NORTH BAY

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Ontario

Ministry
of the
Environment

The Honourable
William G. Newman,
Minister

Everett Biggs,
Deputy Minister

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APPENDIX II

COMMUNITY NOISE LEVEL DATA

of

NORTH BAY

by

A. K. DIXIT

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Community Noise Monitoring Sites in

1

North Bay

<u>Site Number</u>	<u>Location</u>	<u>Page</u>
01	Ninth Avenue 200' South of Main Street	11
02	Jet Street Near Eleventh Street	19
03	Lakeshore Drive	27
04	Premier Road Near La Vase River	35
05	Worthington Street 100' South East of Whiston Road	43
06	Diefenbaker Court near Gormanville Road	49
07	Joseph Street	57
08	Maplegrove Road	65
09	Nelson Street 100' North West of Charles Street	73
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11	Lakeshore Drive at Nipissing Plaza	87
12	Banner Avenue 100' North of Sunset Boulevard	95
13	Margaret Street at Delaney Street	103
14	McLaren Street near Algonquin Avenue	111
15	Dispenser Avenue	119
16	Spencer Street near Highway 11	127
17	Cassell's Street at Second Avenue	133
18	Main Street near Ferguson Avenue	139

19	Ann Street Near Lansdowne Avenue	147
20	Fricker Court	155
21	McGaughey Avenue	163
22	Wickstead Avenue	165
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31	Norman Avenue	189

DEPARTMENT OF THE ENVIRONMENT, ATMOSPHERIC ENVIRONMENT SERVICE-DAILY CLIMATOLOGICAL SUMMARY

LISTING NUMBER
6085700 236TIME ZONE
E

IDENT.

LATITUDE

LONGITUDE

ELEVATION (FT.)

STATION NAME

1210 NORTH BAY A

ONT

LISTING NUMBER	DATE			TEMPERATURE °F.			DEGREE DAYS BELOW 65°F	RELATIVE HUMIDITY		PRECIPITATION						SNOW DEPTH 1200 Z	DAYS WITH													PEAK WIND		
										(INCHES)																						
	YEAR	MO.	DAY	MAXIMUM	MINIMUM	MEAN		MAX.	MIN.	6 - HOURLY TOTAL AMOUNTS				24 HOURLY TOTALS			FREEZING TEMP	THUNDER	STORMS	RAIN OR DRIZZLE	FREEZING PRECIP.	HAIL	SNOW	MIST OR FOG	SMOKE OR HAZE	DUST	BD	BLOWING SNOW	WIND SPEED		DIR.	SPD.
										1200 Z	1800 Z	0000 Z	0600 Z	RAINFALL	SNOWFALL														TOTAL PRECIP.	7 A.M.		
6085700	73	09	01	83	65	74		97	63																							
6085700	73	09	02	84	70	77		93	63																					66	20	
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6085700	73	09	04	84	66	75		93	55																					66	21	
6085700	73	09	05	77	59	68		90	62																					76	26	
6085700	73	09	06	64	50	57	8	86	52			10		10		10														77	25	
6085700	73	09	07	57	42	50	15	93	53	02				T	02		02													77	24	
6085700	73	09	08	59	41	50	15	93	47																							
6085700	73	09	09	57	39	48	17	89	47																							
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6085700	73	09	19	60	36	48	17	100	49			02	42	44		44														66	34	
6085700	73	09	20	49	29	39	26	92	42																							
6085700	73	09	21	53	34	44	21	82	32																							
6085700	73	09	22	58	39	49	16	96	76	30	53	02		85		85														34	30	
6085700	73	09	23	51	38	45	20	96	83	02	T	T		02		02																
6085700	73	09	24	54	39	47	18	93	66			T		T		T																
6085700	73	09	25	64	41	53	12	96	58																							
6085700	73	09	26	69	54	62	3	96	84	01	T			01		01																
6085700	73	09	27	65	46	56	9	93	70		30			30		30														66	20	
6085700	73	09	28	63	40	52	13	93	44																							
6085700	73	09	29	58	40	49	16	93	34																					78	32	
6085700	73	09	30	61	37	49	16	83	42																							
TOTALS				1874	1325										2	29	0		4	213												
MEANS				625	442	534																										
EXTREMES				84	29										85	0	85															34
DEGREE DAYS					150		388			647	408	353	166		DIFFERENCE FROM NORMAL				1.0-	2.27-												
WITH TEMPERATURE BASE (FAHRENHEIT)				BELOW 32°	BELOW 55°		BELOW 65°			ABOVE 32°	ABOVE 40°	ABOVE 42°	ABOVE 50°		FOR			MEAN TEMP.	TOTAL PRECIP.													

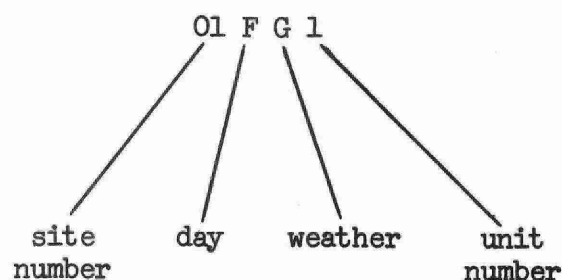
TAB 41 RE- C4 05

North Bay

LOCATION	DAY	DAYTIME				EVENING				NIGHT			
		TRAF. COUNT	L 10	L 50	L 90	TRAF. COUNT	L 10	L 50	L 90	TRAF. COUNT	L 10	L 50	L 90
GORMANVILLE at HIGHWAY 17	FRIDAY	5497	56	51	49	1027	54	51	48	581	53	50	48
	SATURDAY												
	SUNDAY												
	MONDAY												
ALGONQUIN AVENUE at REYNOLDS	FRIDAY												
	SATURDAY	9339	69	63	50	2565	57	52	49	1550	53	51	48
	SUNDAY	6009	68	54	50	2663	56	52	49	1470	54	51	48
	MONDAY	10985	64	54	51	2739	58	53	50	1035	55	52	49
CASSELL'S at SECOND	FRIDAY	9664	71	63	54	2452	69	61	53	942	64	54	47
	SATURDAY	8051	73	65	55	1839	69	61	53	891	63	54	49
	SUNDAY	3618	69	59	52	1630	70	61	54	1059	62	55	47
	MONDAY	9063	60	63	55	1772	69	60	51	661	62	52	46
MAIN STREET at FERGUSON	WEDNESDAY	8400	68	61	54	2687	67	58	52	1013	62	52	48
	THURSDAY	8875	67	60	53	2667	67	57	50	1043	61	51	47
	SUNDAY												
	MONDAY												
HIGHWAY 63 at MARGARET STREET	FRIDAY	3093	56	52	50	955	53	50	49	383	53	50	48
	SATURDAY	3584	53	49	46	1026	52	48	46	567	50	48	45
	SUNDAY	3002	52	48	45	931	54	49	46	463	53	48	45
	MONDAY	3142	54	49	47	1157	52	49	47	314	53	49	46
ALGONQUIN and SPENCER STREET	FRIDAY	10257	63	57	50	3129	60	53	49	1543	55	48	43
	SATURDAY	11950	62	58	54	2494	60	56	52	1749	58	54	52
	SUNDAY	6492				2190				1192			
	MONDAY	12497	63	56	51	1891	59	54	50	1349	61	53	48
LAKESHORE at MARSHALL	FRIDAY	9002	66	61	55	2952	64	59	56	890	60	55	51
	SATURDAY	8709	68	59	48	3074	67	57	48	1312	59	47	37
	SUNDAY	7110	65	59	54	2850	64	60	56	1185	61	52	49
	MONDAY	9049	66	61	54	2737	63	57	53	729	57	49	47

TERMINOLOGY USED
on
COMPUTER PRINT-OUTS

Code: EXAMPLE



Day Codes:

F - Friday
A - Saturday
U - Sunday
M - Monday
T - Tuesday
W - Wednesday
H - Thursday

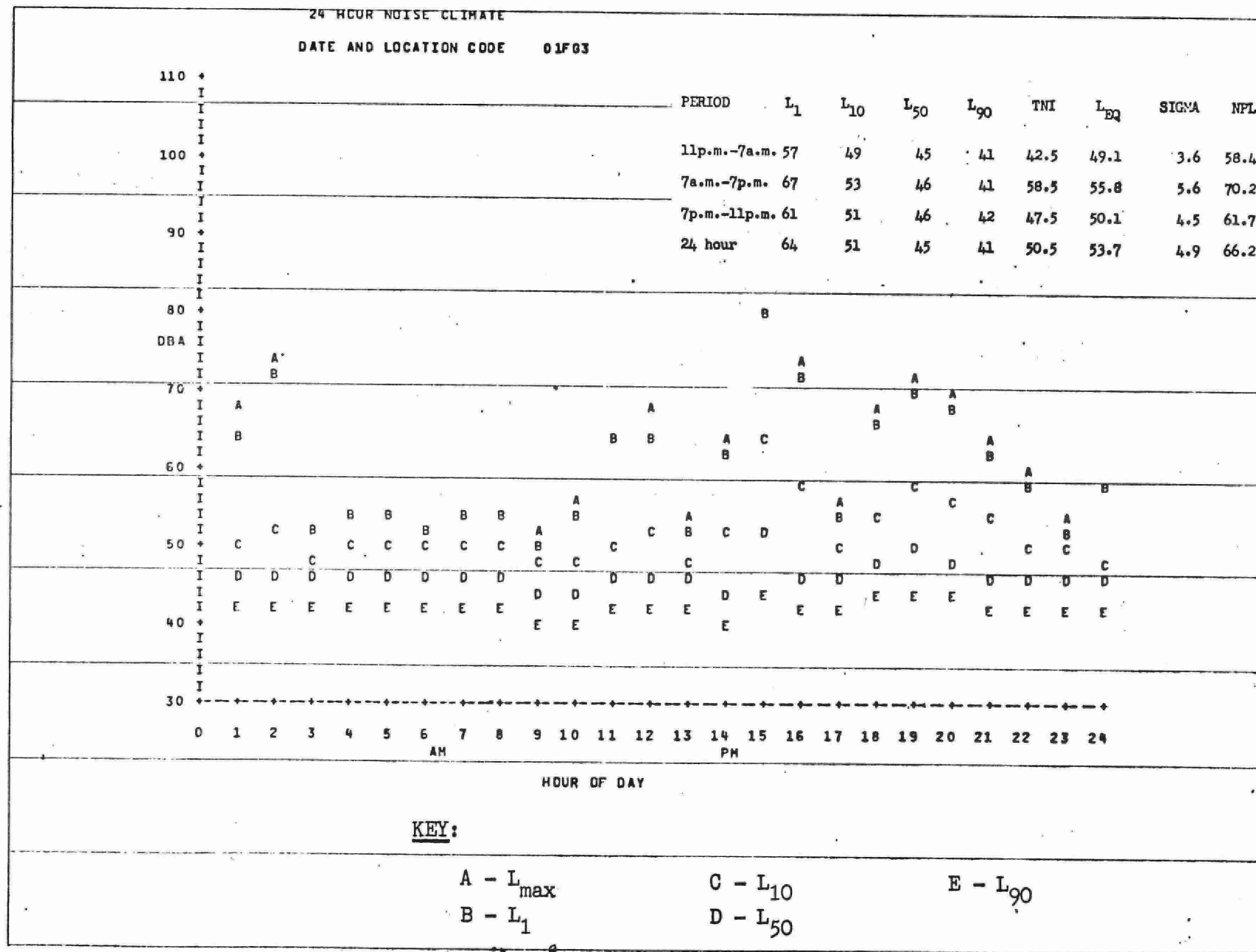
Weather Codes:

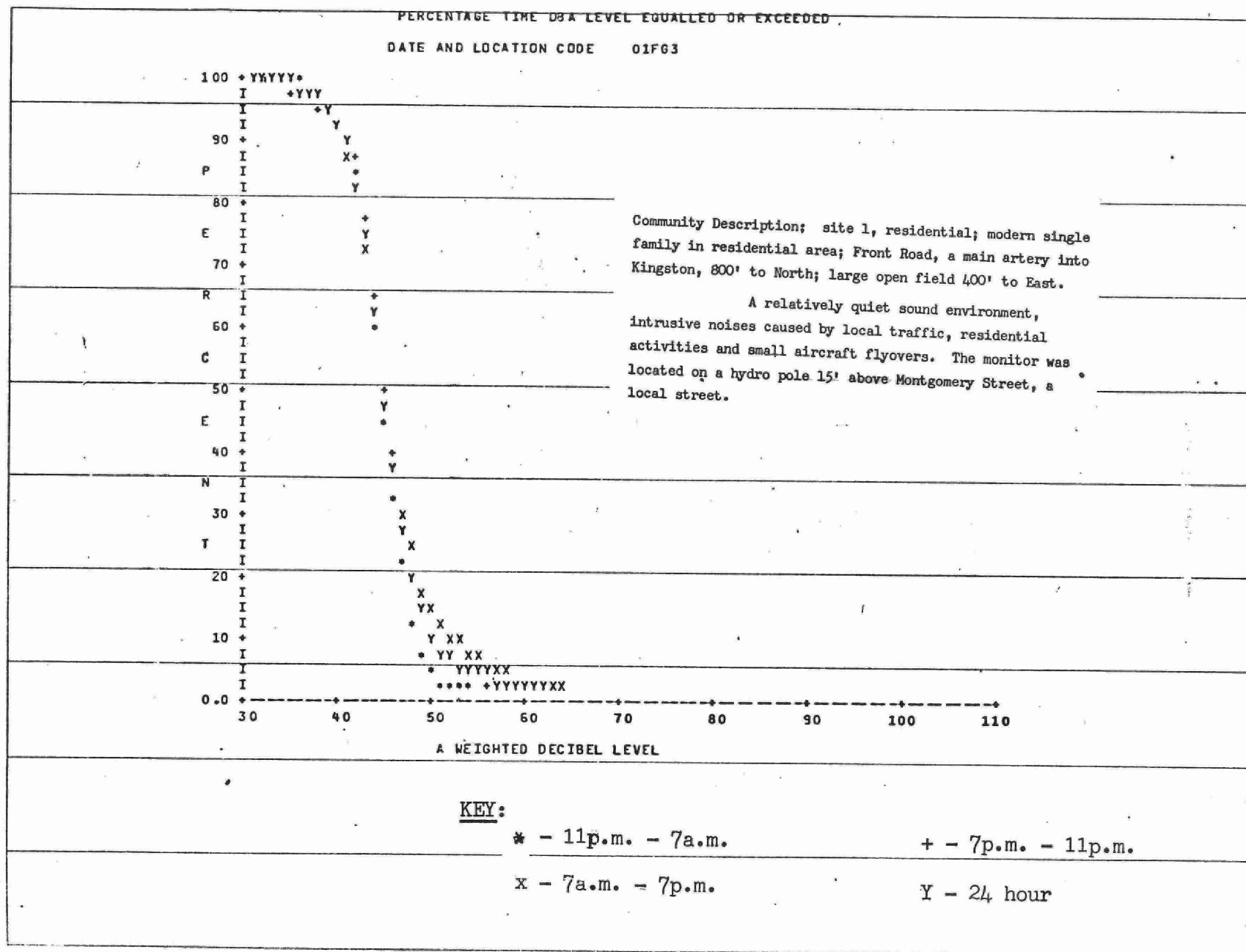
W - Windy
G - Good Weather
R - Rainy

Unit Numbers:

01 & 02 in North Bay
03 & 04 in Kingston
05 & 06 in Sault Ste. Marie
(sometimes 01 & 02 also)

An example of the use of the above code together with the legend used on the computer print-out graphs is shown on page 9 & 10



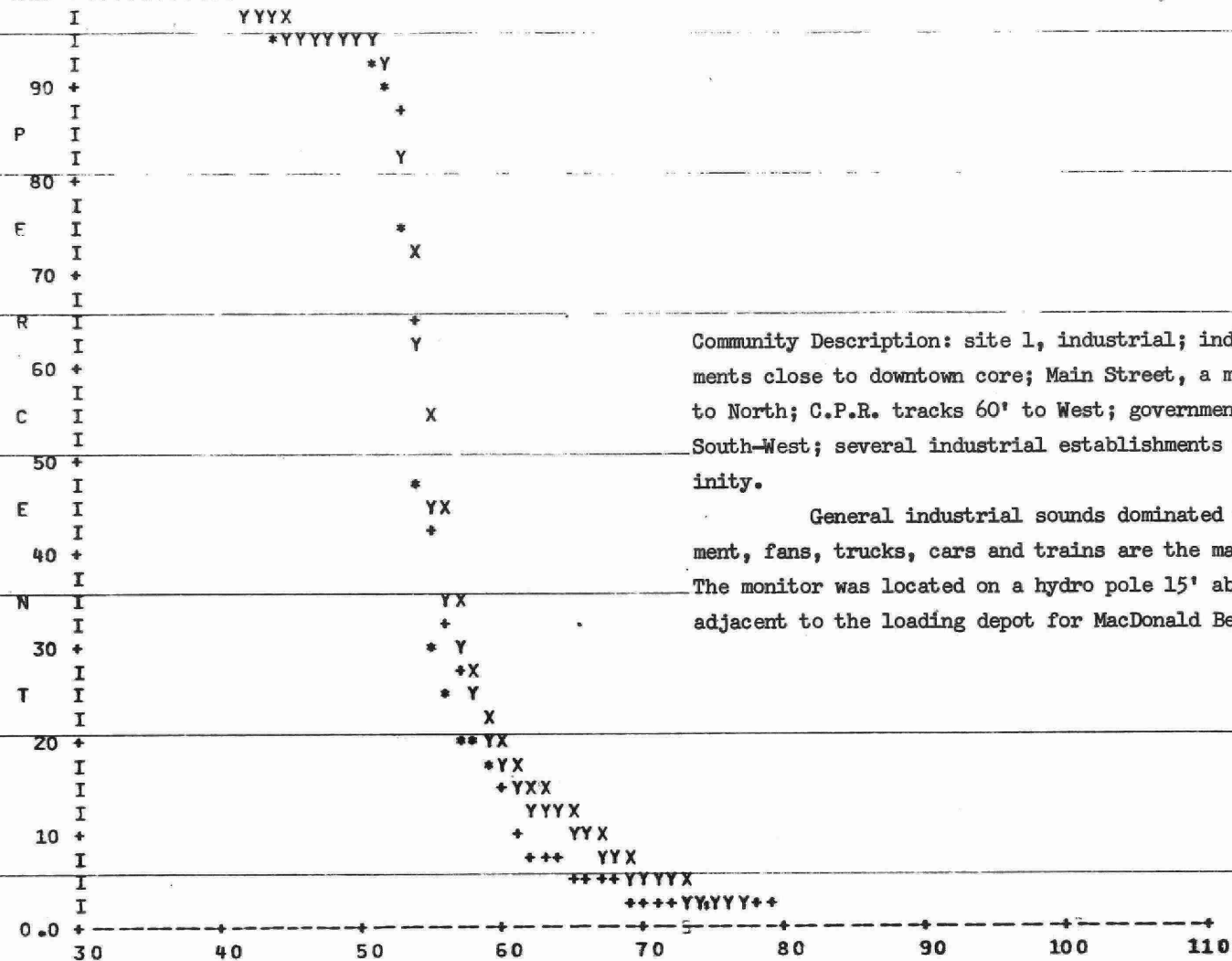


01AG1

HOUR OF DAY

DATE AND LOCATION CODE 01AG1

100 + YYYYYYYYYY



24 HOUR NOISE CLIMATE

DATE AND LOCATION CODE 010W1

PERIOD L₁ L₁₀ L₅₀ L₉₀ TNI L_{EQ} SIGMA NPL

11p.m.-7a.m. 72 61 55 53 54.5 65.2 4.6 77.0

7a.m.-7p.m. 81 65 56 54 67.5 6.4

7p.m.-11p.m. 75 63 55 54 59.5 61.2 5.0 74.1

24 hour 76 63 56 54 59.5 5.7

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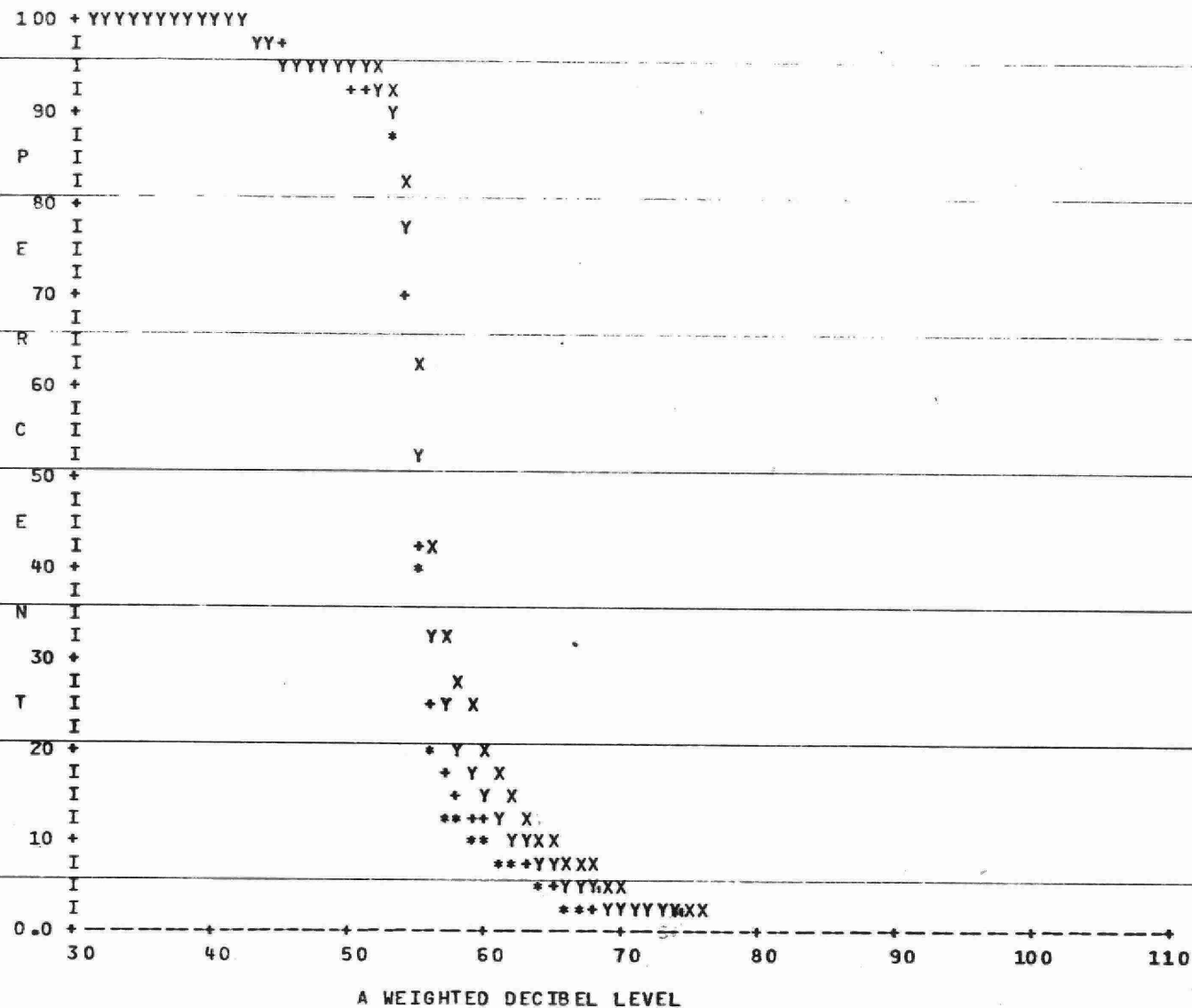
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

AM

PM

HOUR OF DAY

DATE AND LOCATION CODE 01UW1



DATE AND LOCATION CODE 01M W1

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DBA

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[illegible]

C 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
AM PM

AM

PM

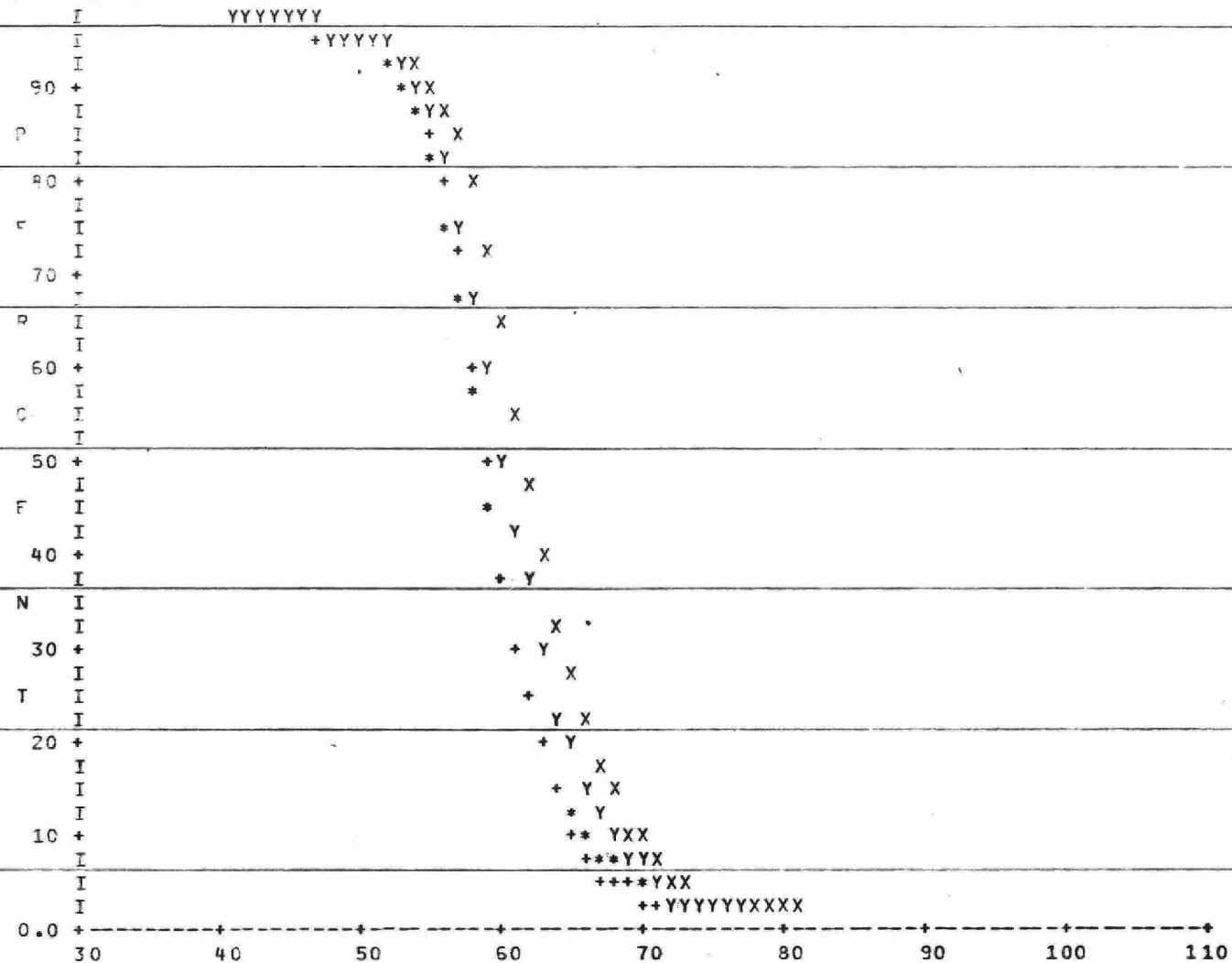
HOUR OF DAY

15

PERCENTAGE TIME DCA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 01MM1

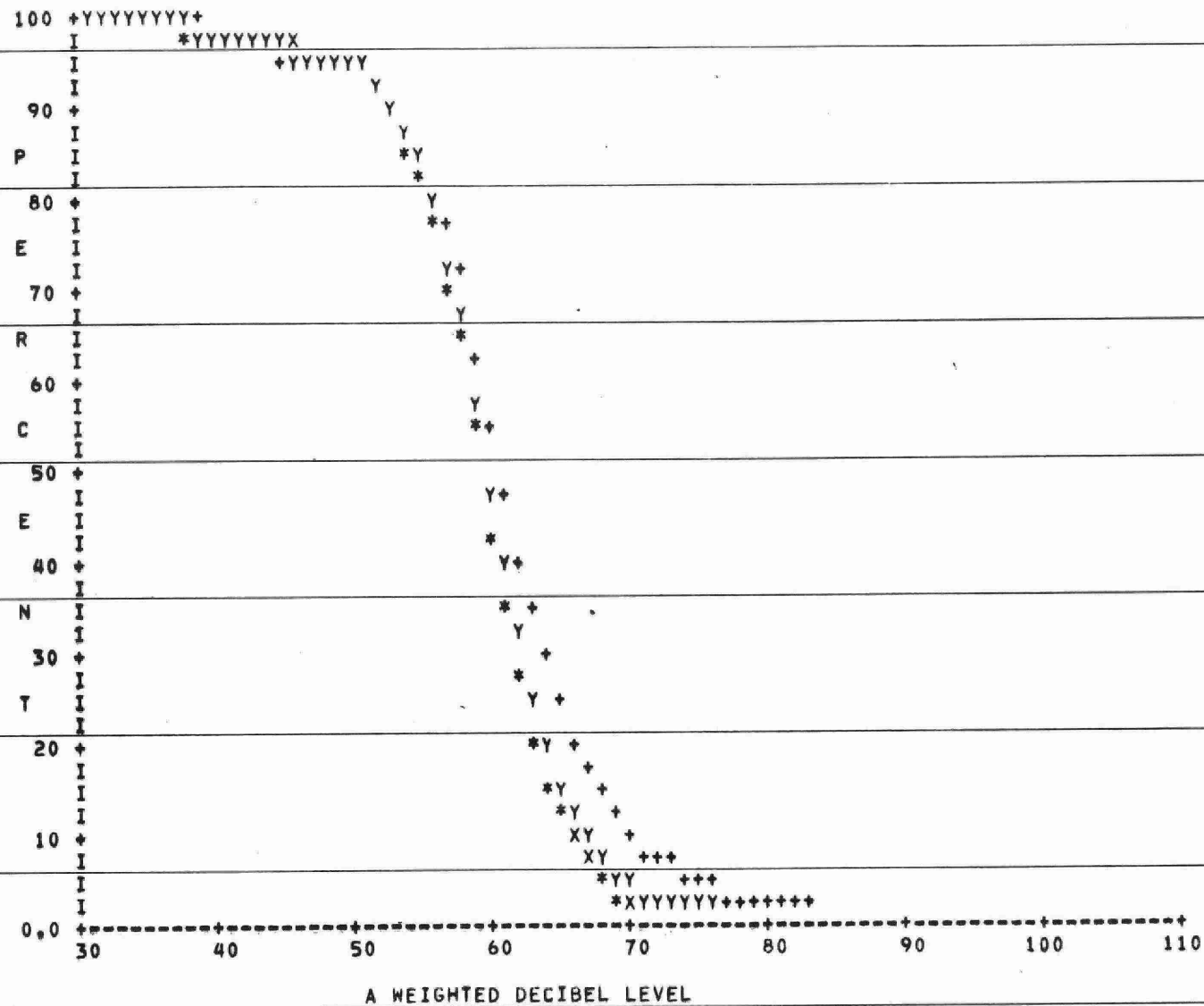
100 + YYYYYYYYYY+



A WEIGHTED DECIBEL LEVEL

PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

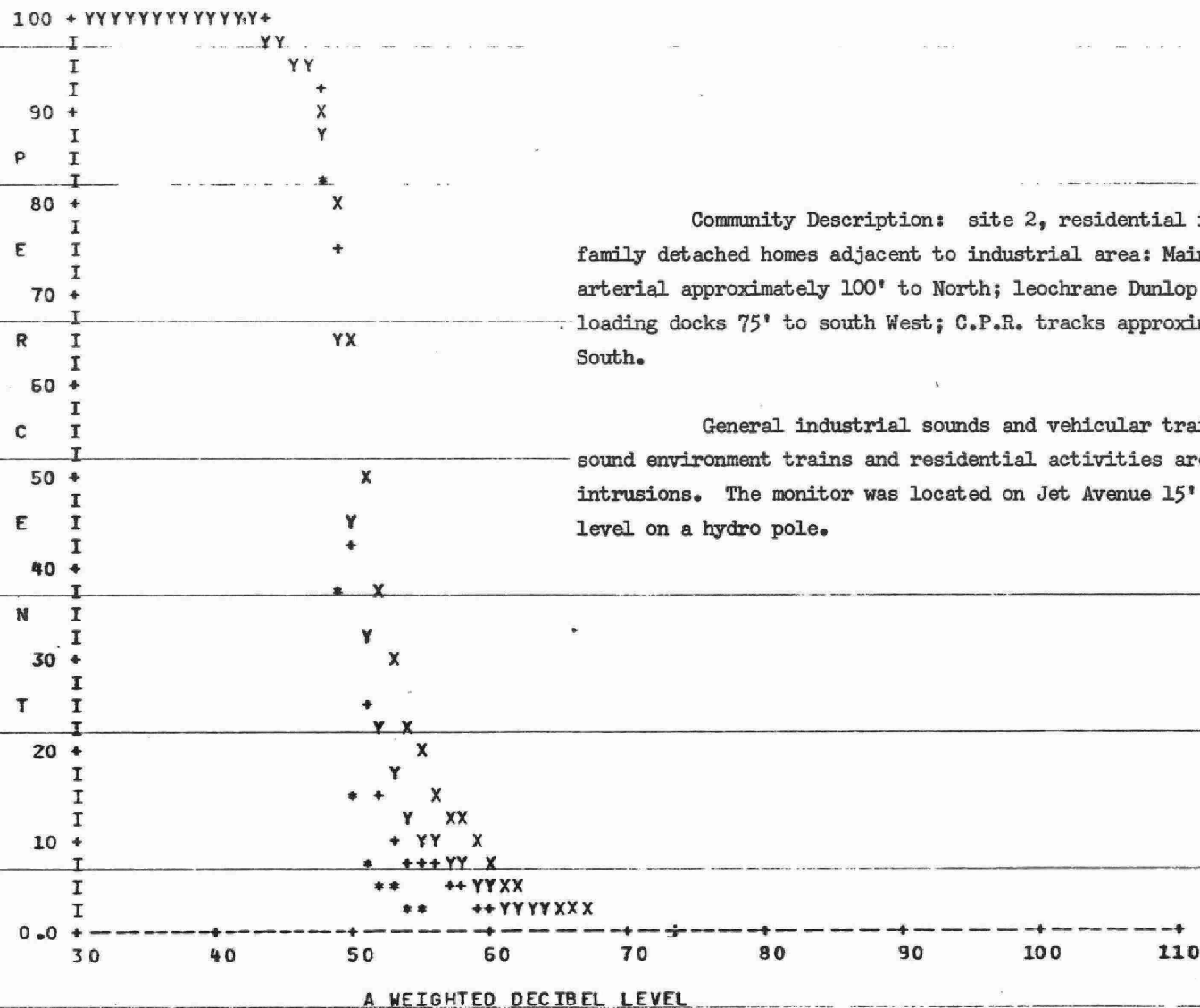
DATE AND LOCATION CODE 01WG1



24 HOUR NOISE CLIMATE				PERIOD	L ₁	L ₁₀	L ₅₀	L ₉₀	TNI	L _{EQ}	SIGMA	NPL
DATE AND LOCATION CODE				02F62								
110 + I I I I 100 + I I I I 90 + I I I I 80 + I I I I 70 + I I I I 60 + I I I I 50 + I I I I 40 + I I I I 30 +	DBA	+	I	11p.m.-7a.m.	56	51	49	48	29.5	49.9	1.8	54.7
				7a.m.-7p.m.	69	59	52	49	58.5	58.2	4.8	70.4
				7p.m.-11p.m.	65	54	50	49	38.5	53.6	3.3	62.0
				24 hour	67	56	50	48	49.5	56.1	4.0	66.4

PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 02F62



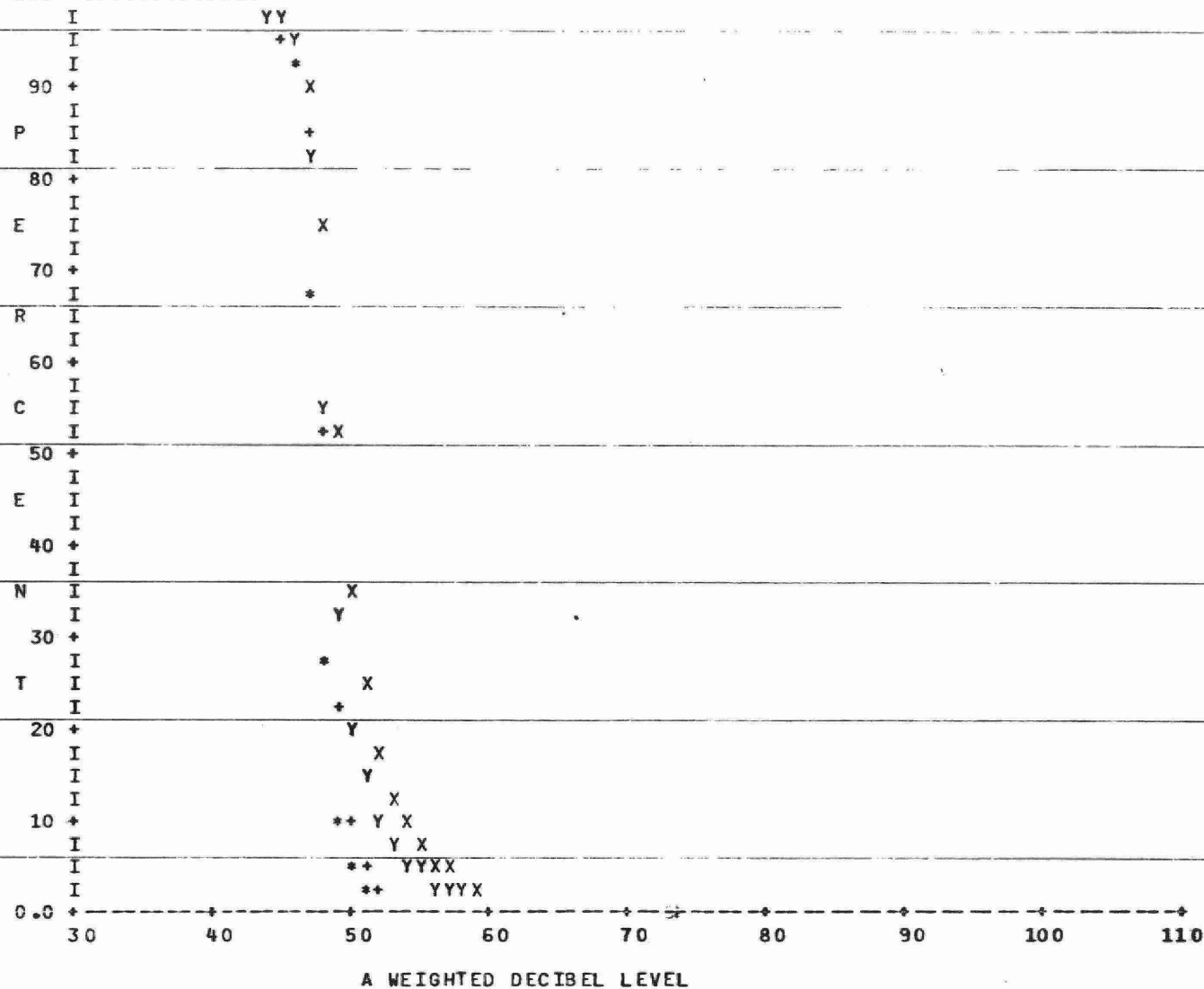
Community Description: site 2, residential industrial; single family detached homes adjacent to industrial area: Main Street, a major arterial approximately 100' to North; leochrane Dunlop Hardware Co. and loading docks 75' to south West; C.P.R. tracks approximately 200' to South.

General industrial sounds and vehicular traffic dominate the sound environment trains and residential activities are the significant intrusions. The monitor was located on Jet Avenue 15' above the road level on a hydro pole.

[illegible]

DATE AND LOCATION CODE 02AG2

100 + YYYYYYYYYYYY

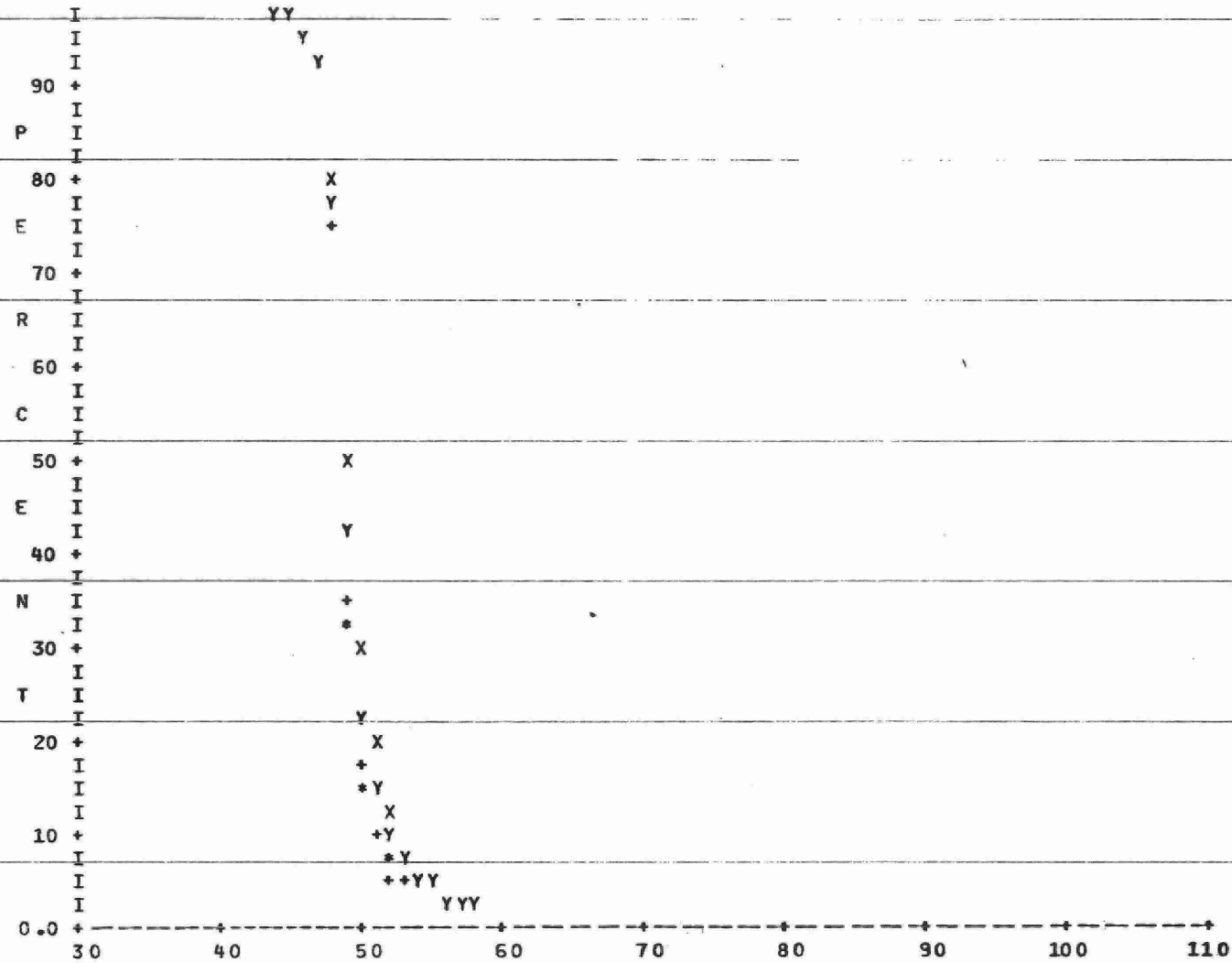


[illegible]

PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 02UG2

100 + YYYYYYYYYYYY+

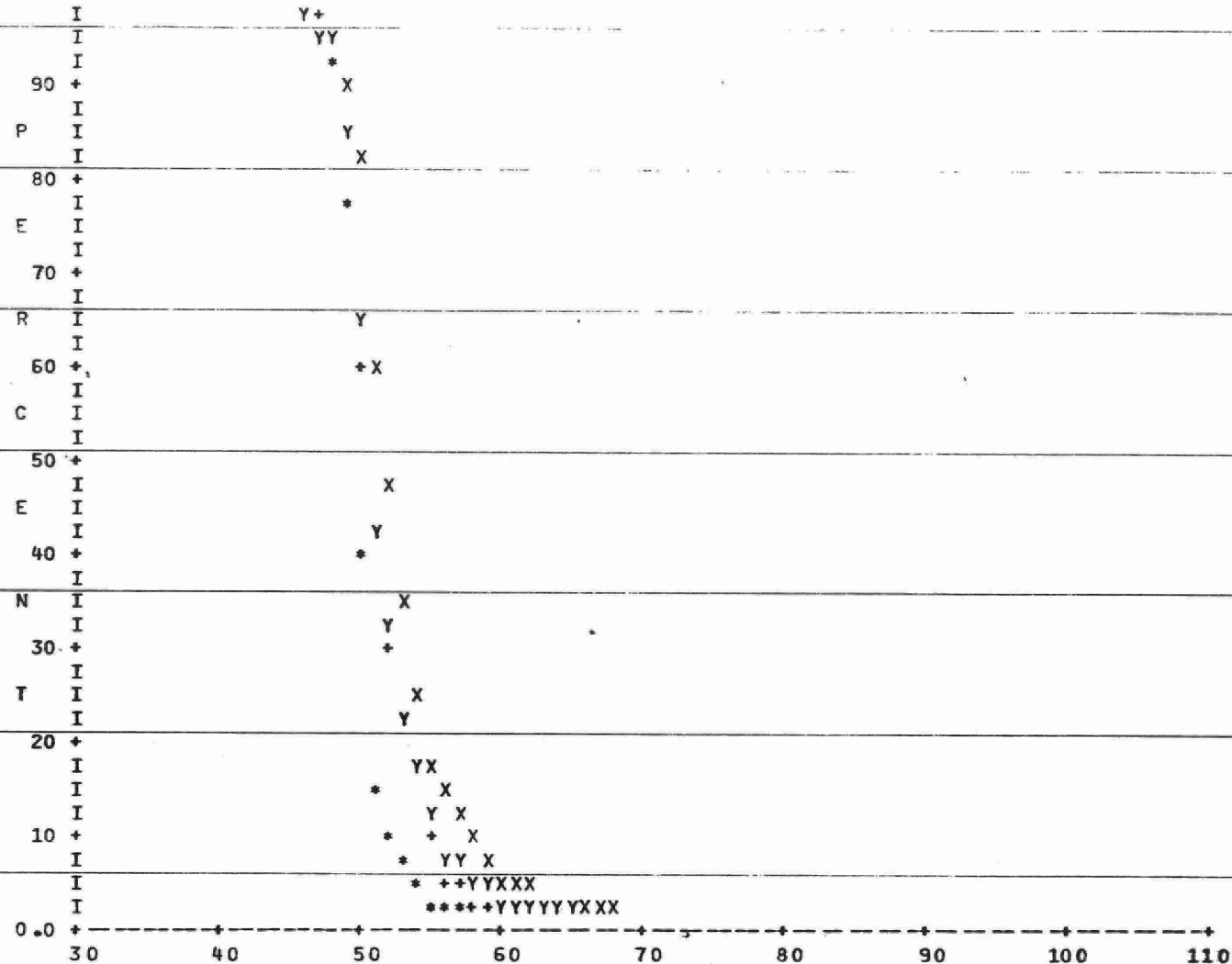


A WEIGHTED DECIBEL LEVEL

[illegible]

DATE AND LOCATION CODE 02MG2

100 + YYYYYYYYYYYYYYYY



A WEIGHTED DECIBEL LEVEL

DATE AND LOCATION CODE 03FG2

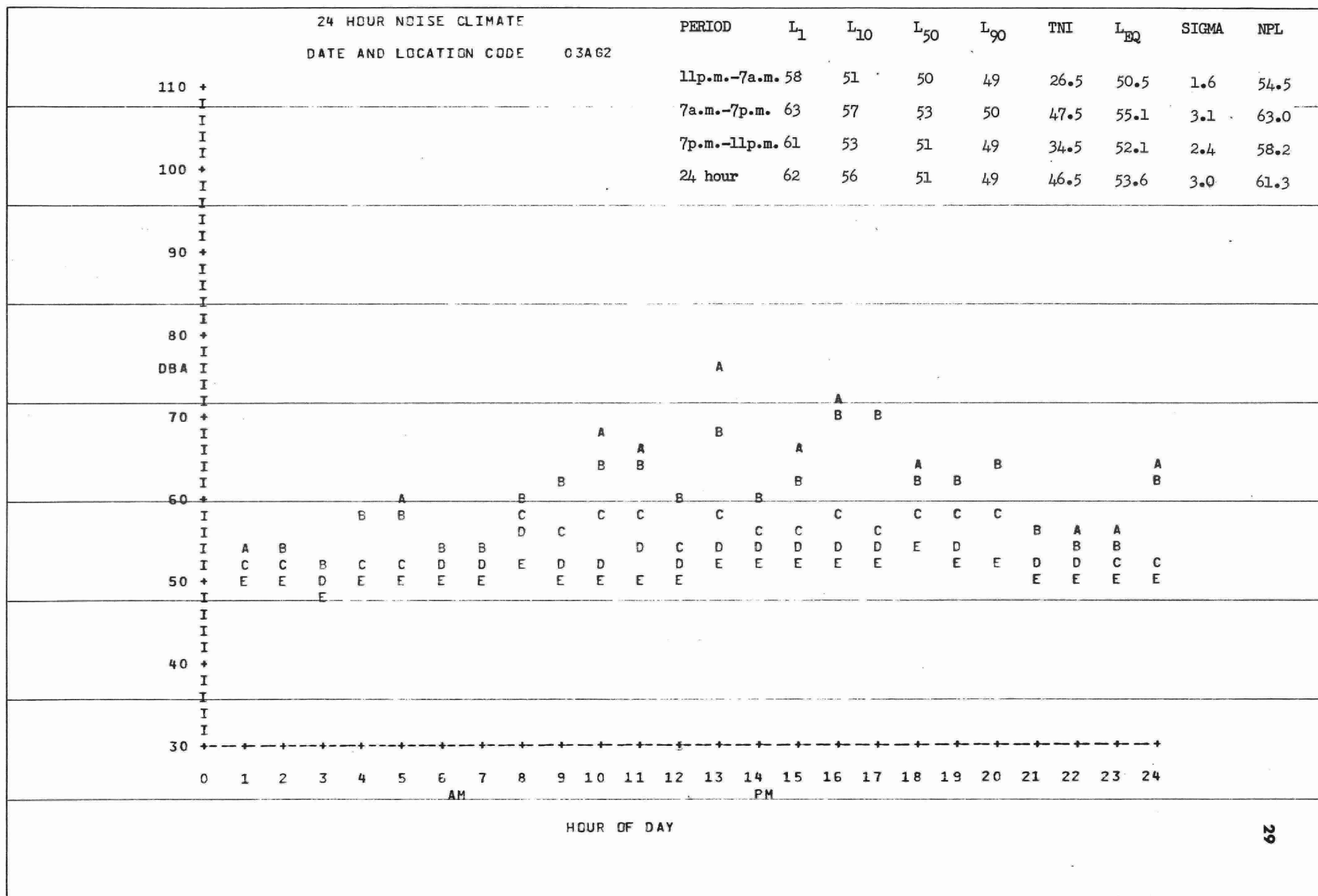
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Community Description: site 3, residential institutional; recreational area with facilities close to modern single and multiple family dwellings; Ontario Northland Railway tracks 1000' to North; Hwy. 63,800' to North; float plane base approximately 2000' to North East; boat launch and beach 30' to East.

People sounds dominate due to recreational area and facilities, parking lot activities, boat noise and airplane flyovers provide significant intrusions. Distant vehicular traffic is noticeable. The monitor was located on Lakeshore Drive 15' above the roadway on a hydro pole.

A WEIGHTED DECIBEL LEVEL



DATE AND LOCATION CODE 03AG2

Scatter plot showing the relationship between X and Y for various categories. The X-axis ranges from 30 to 110, and the Y-axis ranges from 0.0 to 90. Data points are labeled with 'Y' and 'X' and are distributed across the plot area.

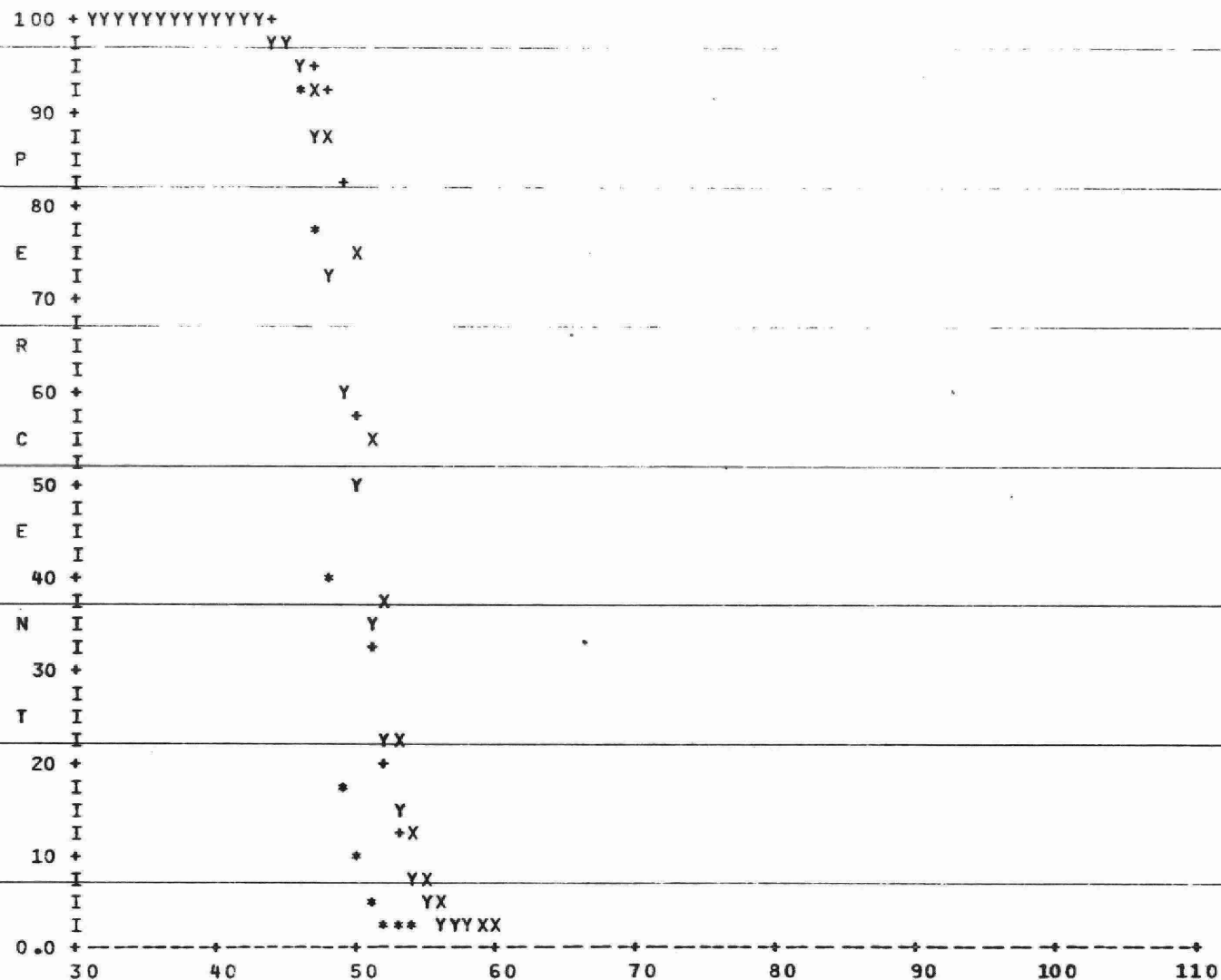
Category	X	Y
P	50	90
	50	80
	50	70
	50	60
E	50	50
	50	40
	50	30
	50	20
R	50	10
	50	0.0
	50	0.0
	50	0.0
C	50	0.0
	50	0.0
	50	0.0
	50	0.0
N	50	0.0
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	50	0.0
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	50	0.0
	50	0.0
	50	0.0

A WEIGHTED DECIBEL LEVEL

[illegible]

PERCENTAGE TIME D3A LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 03UG2



A WEIGHTED DECIBEL LEVEL

24 HOUR NOISE CLIMATE
DATE AND LOCATION CODE 03MG2

PERIOD	L ₁	L ₁₀	L ₅₀	L ₉₀	TNI	L _{BQ}	SIGMA	NPL
11p.m.-7a.m.	57	54	51	48	41.5	51.7	2.7	58.6
7a.m.-7p.m.	65	58	53	49	54.5	55.7	4.2	66.4
7p.m.-11p.m.	55	50	49	48	25.5	49.4	1.7	53.7
24 hour	63	57	51	48	53.5	54.0	3.8	63.7

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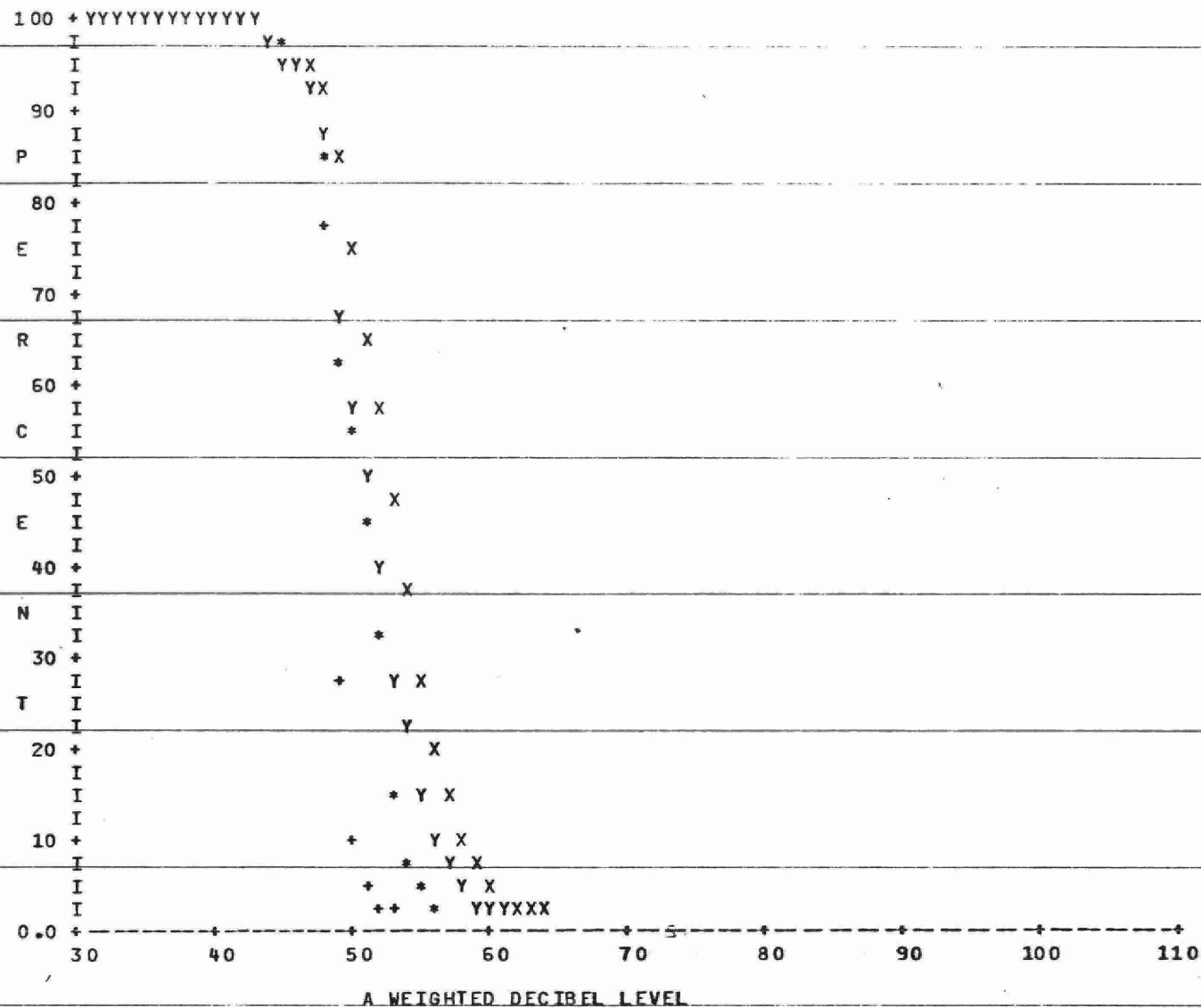
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

AM

PM

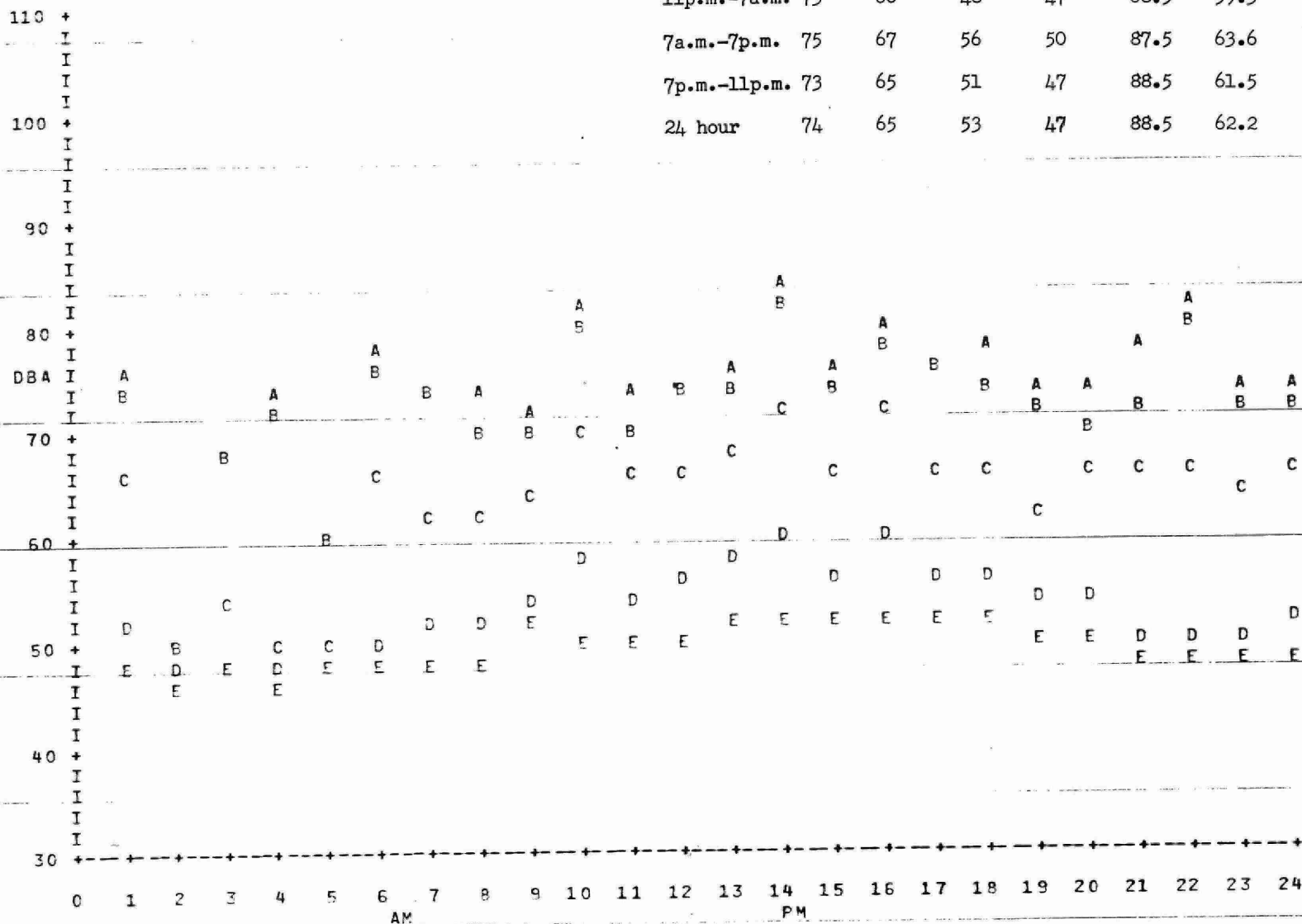
HOUR OF DAY

DATE AND LOCATION CODE 03MG2



24 HOUR NOISE CLIMATE
DATE AND LOCATION CODE 04F61

PERIOD	L ₁	L ₁₀	L ₅₀	L ₉₀	TNI	L _{EQ}	SIGMA	NPL
11p.m.-7a.m. 73	60	48	47	68.5	59.3	6.1	75.0	
7a.m.-7p.m. 75	67	56	50	87.5	63.6	6.8	81.1	
7p.m.-11p.m. 73	65	51	47	88.5	61.5	6.9	79.1	
24 hour 74	65	53	47	88.5	62.2	7.1	80.5	

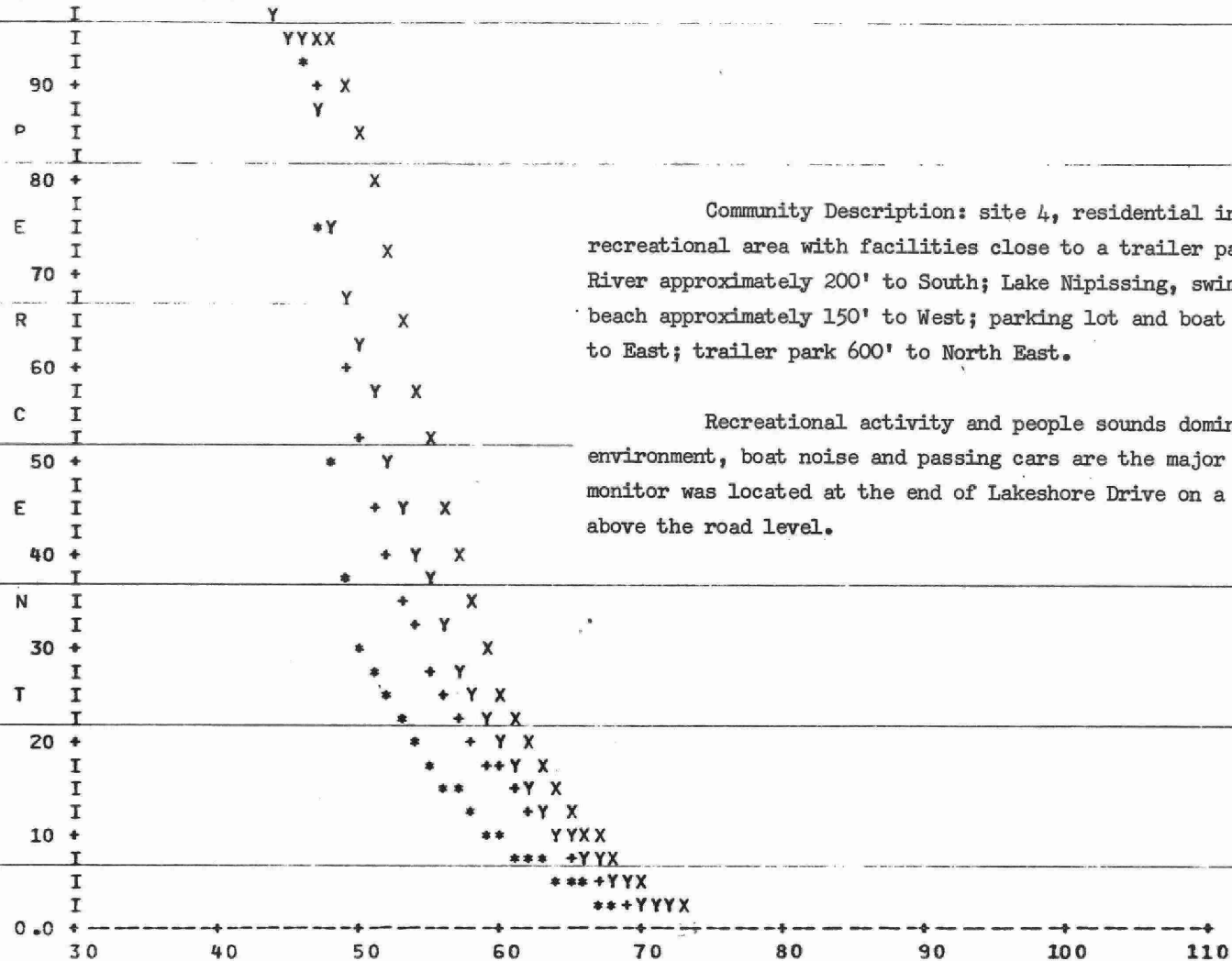


HOUR OF DAY

PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 04FG1

100 + YYYYYYYYYYYYYY



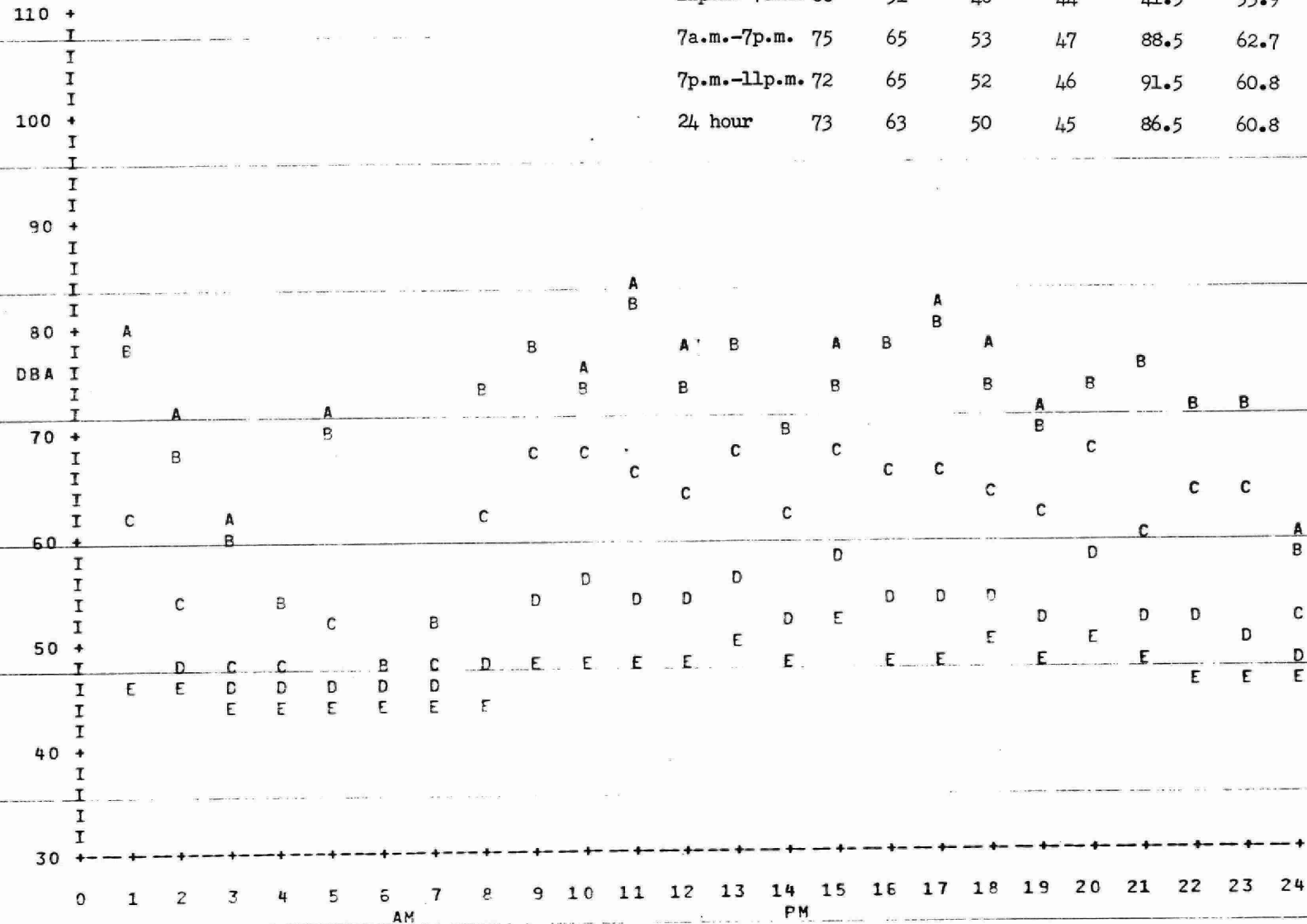
Community Description: site 4, residential institutional; recreational area with facilities close to a trailer park: la Vasse River approximately 200' to South; Lake Nipissing, swimming area and beach approximately 150' to West; parking lot and boat launch 500' to East; trailer park 600' to North East.

Recreational activity and people sounds dominated the sound environment, boat noise and passing cars are the major intrusions. The monitor was located at the end of Lakeshore Drive on a hydro pole 15' above the road level.

24 HOUR NOISE CLIMATE

DATE AND LOCATION CODE 04AG1

PERIOD	L ₁	L ₁₀	L ₅₀	L ₉₀	TNI	L _{EQ}	SIGMA	NPL
11p.m.-7a.m. 66	51	46	44	41.5	53.9	4.4	65.2	
7a.m.-7p.m. 75	65	53	47	88.5	62.7	7.3	81.3	
7p.m.-11p.m. 72	65	52	46	91.5	60.8	7.3	79.6	
24 hour 73	63	50	45	86.5	60.8	7.4	79.8	

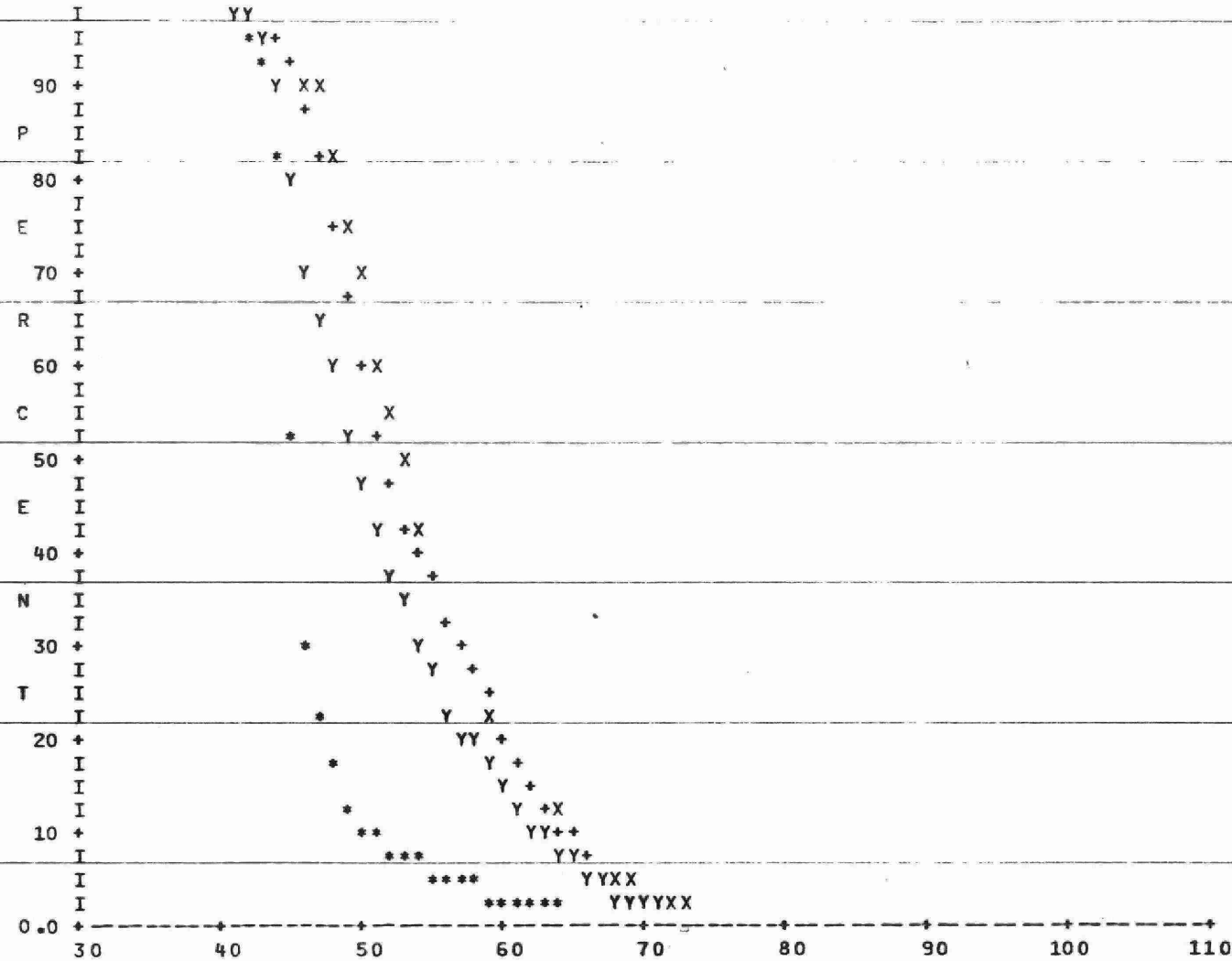


HOUR OF DAY

PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 04A61

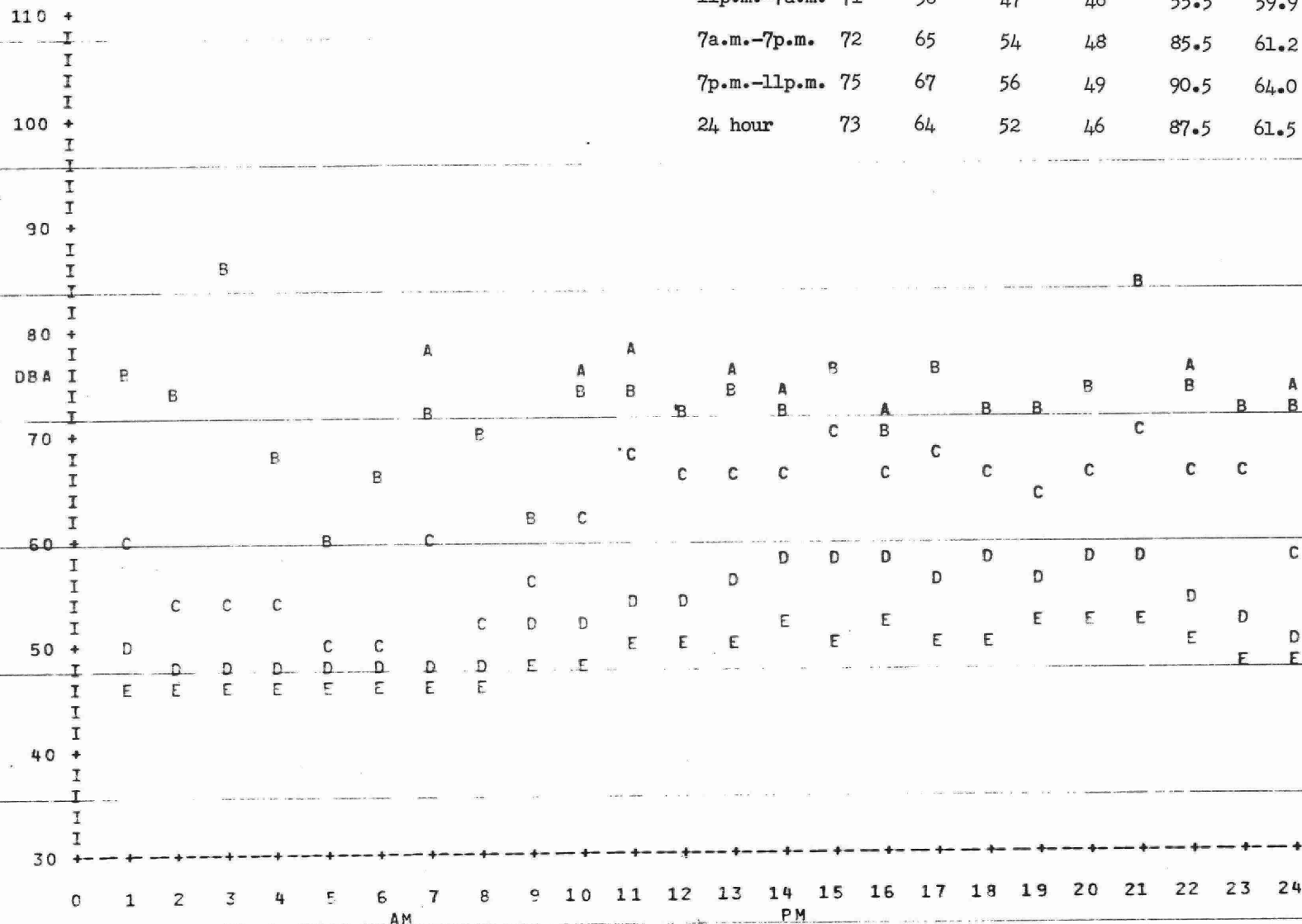
100 + YYYYYYYYYY



A WEIGHTED DECIBEL LEVEL

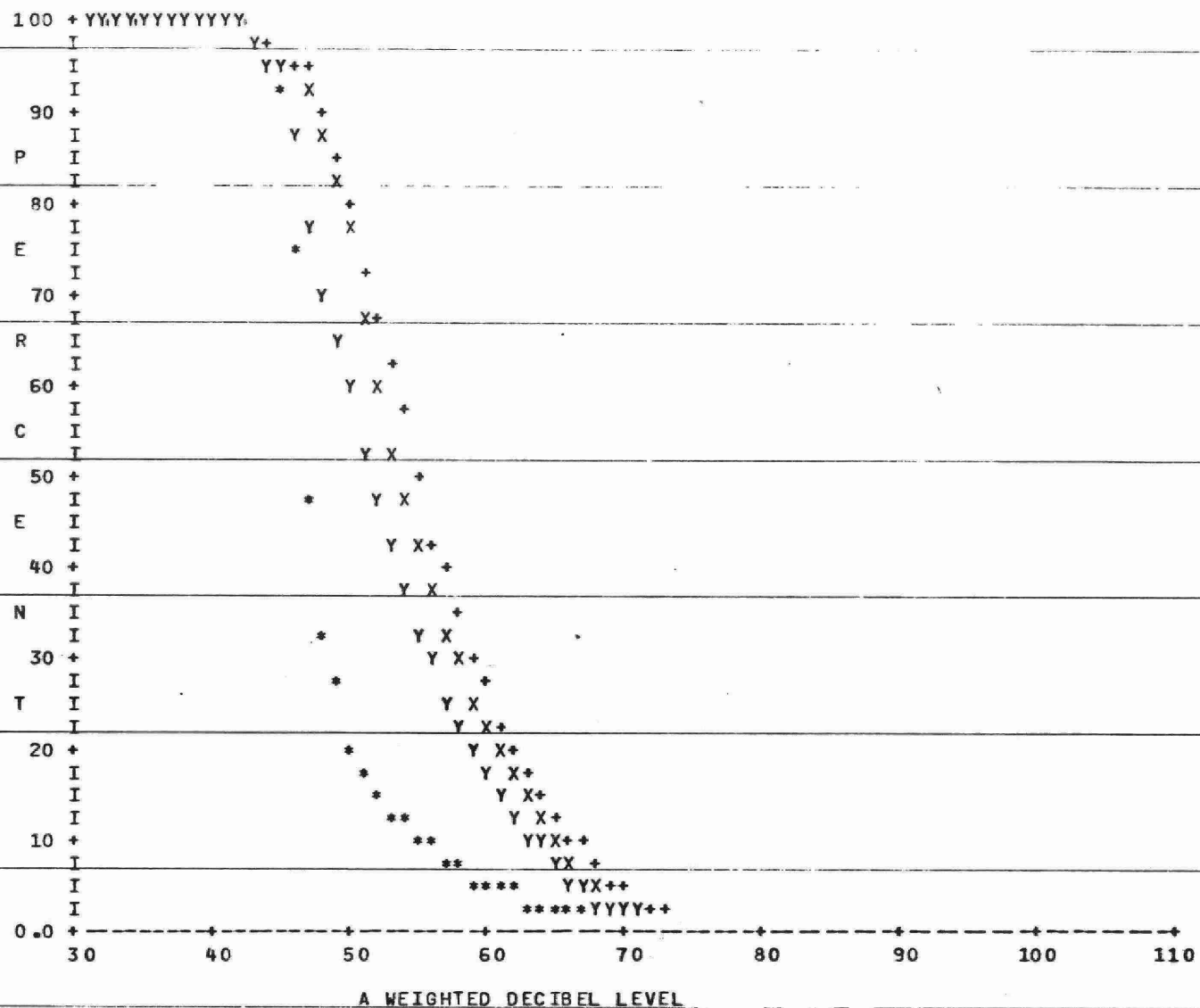
24 HOUR NOISE CLIMATE
DATE AND LOCATION CODE 04UG1

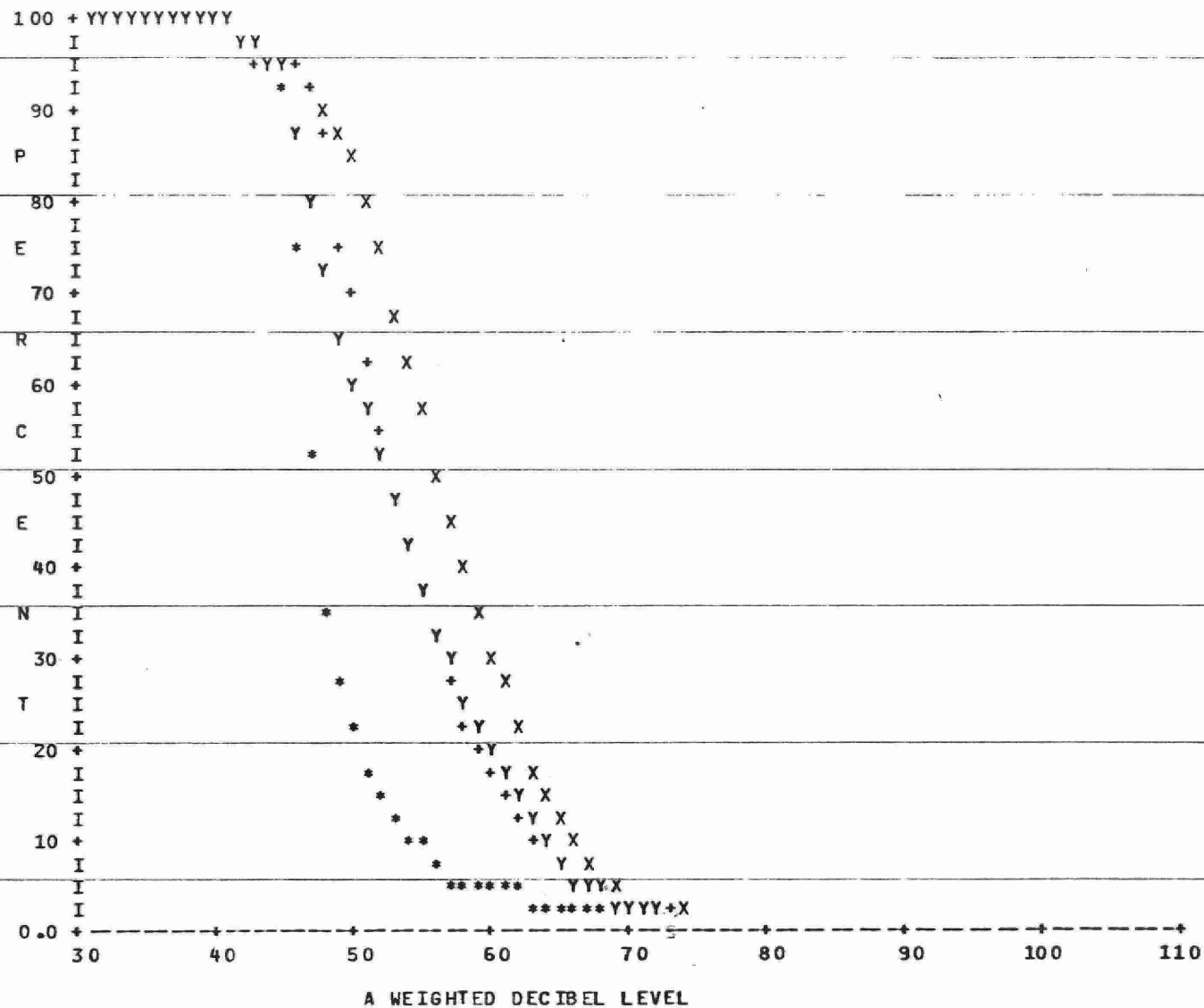
PERIOD	L ₁	L ₁₀	L ₅₀	L ₉₀	TNI	L _{BQ}	SIGMA	NPL
11p.m.-7a.m.	71	56	47	46	55.5	59.9	5.3	73.5
7a.m.-7p.m.	72	65	54	48	85.5	61.2	6.7	78.2
7p.m.-11p.m.	75	67	56	49	90.5	64.0	7.2	82.4
24 hour	73	64	52	46	87.5	61.5	7.0	79.5



HOUR OF DAY

DATE AND LOCATION CODE 04UG1





DATE AND LOCATION CODE 05FG1

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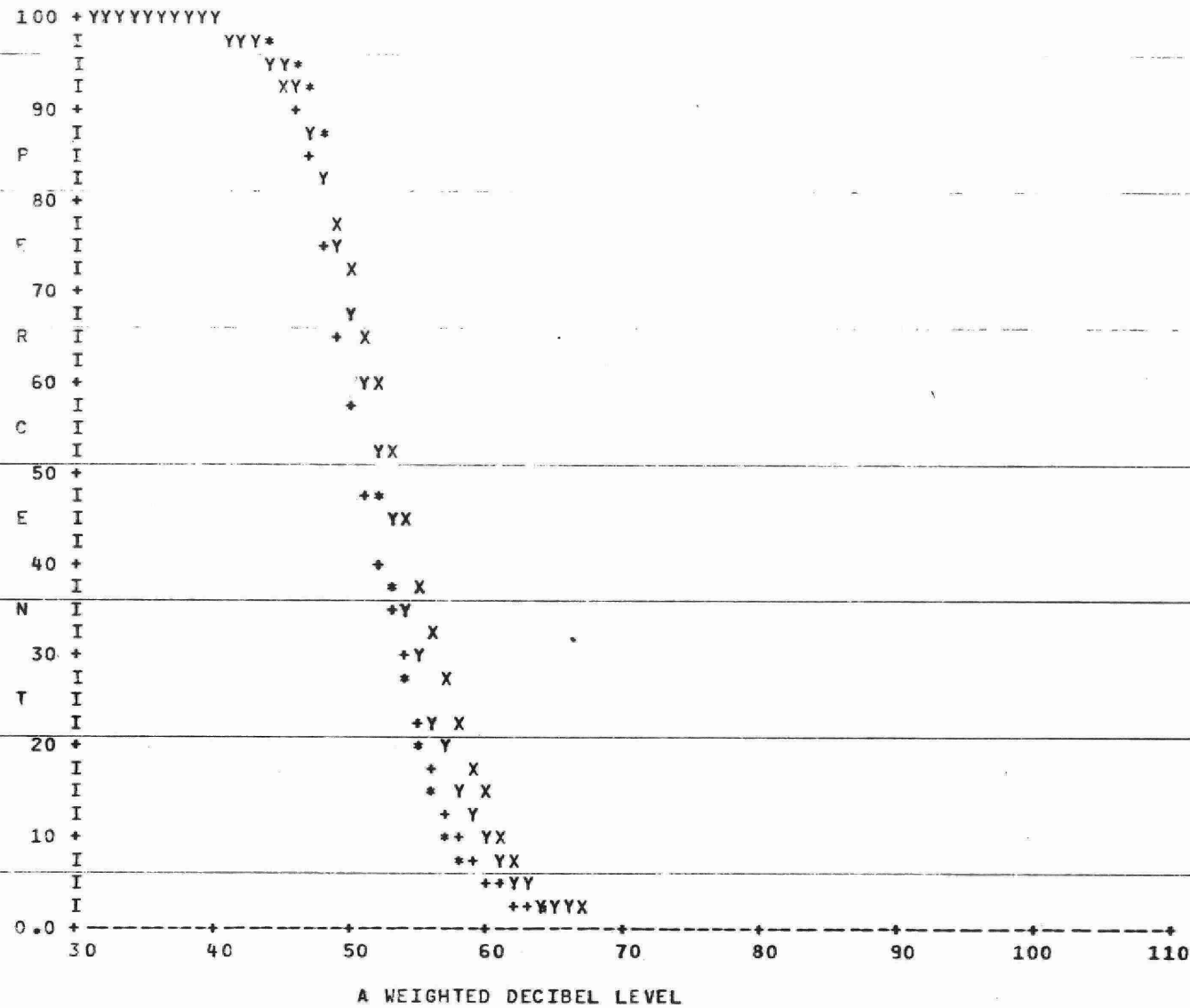
30 40 50 60 70 80 90 100 110

A WEIGHTED DECIBEL LEVEL

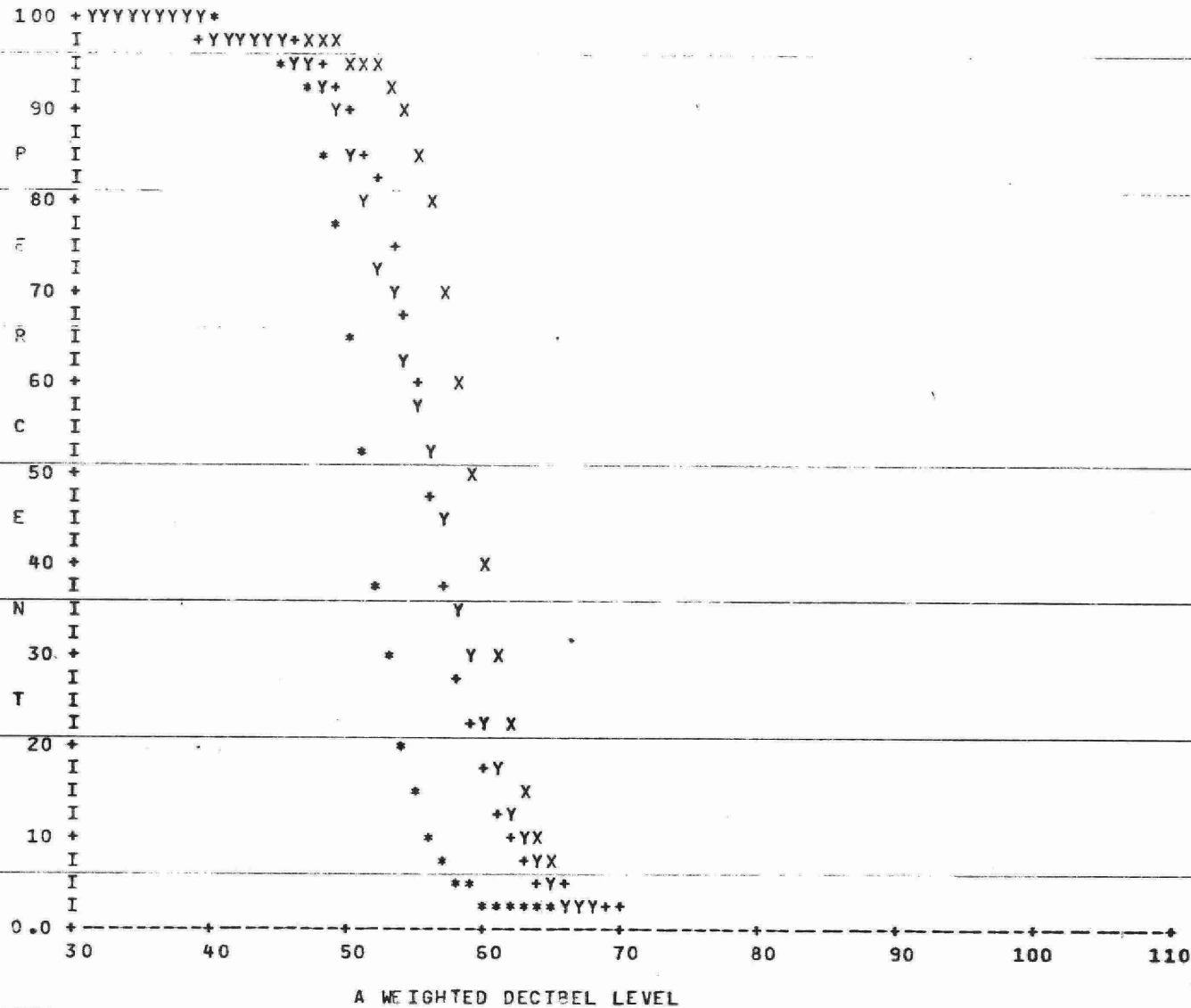
Community Description: site 5, residential industrial; older single family detached units close to Ontario Northland and Canadian National Railroads yard and repair shop; ONR tracks 100' to South East; ONR repair shop approx. 500' to South; CNR tracks 400' to South East; Whitson Road, a residential street 100' to North West.

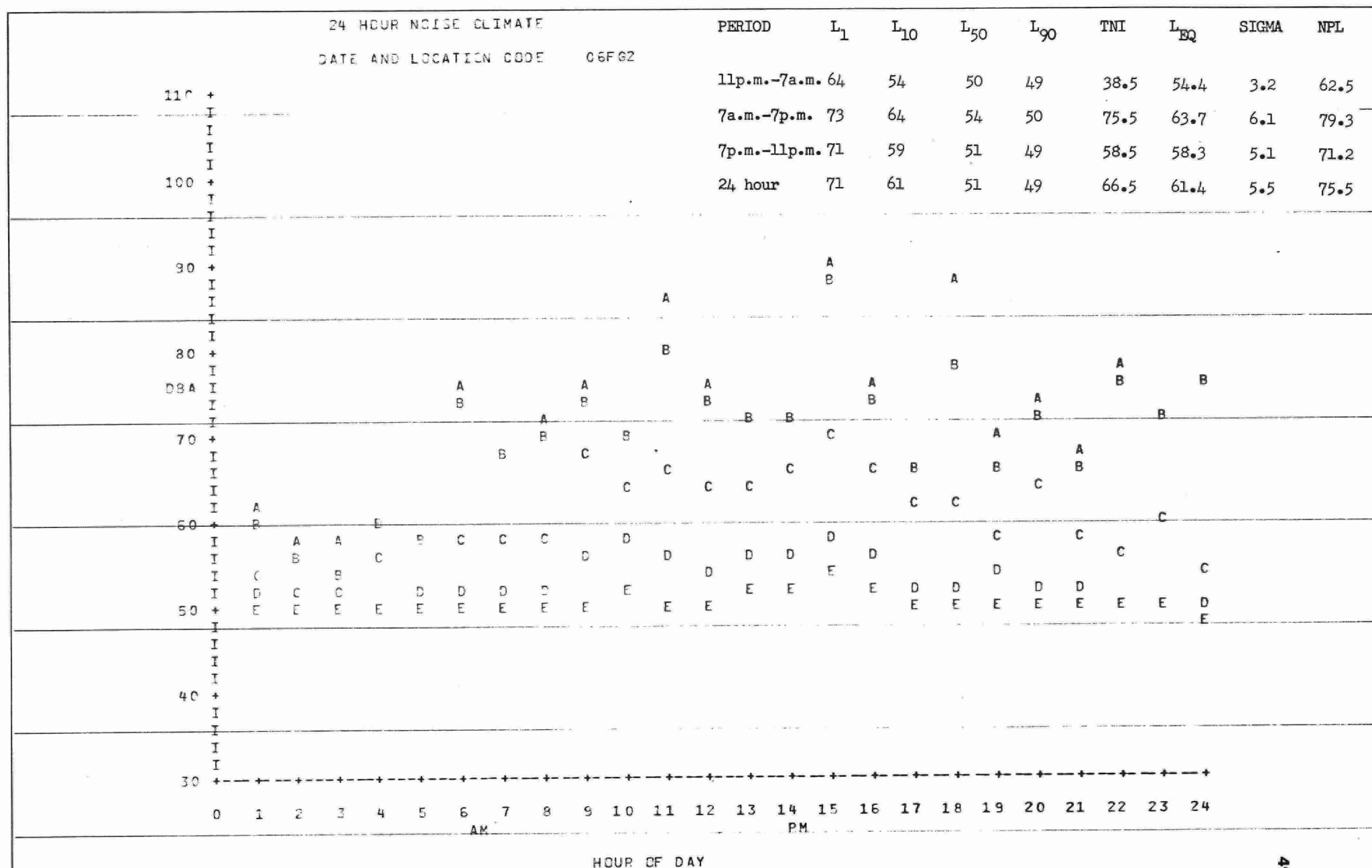
The sound environment is dominated almost exclusively by railway activity, on the rail lines and in the shops. Traffic and parking lot activity is occasionally noticeable. The monitor was located on Worthington Street 15' above road level on a hydro pole.

DATE AND LOCATION CODE 05UG2



DATE AND LOCATION CODE 05MF2





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A WEIGHTED DECIBEL LEVEL

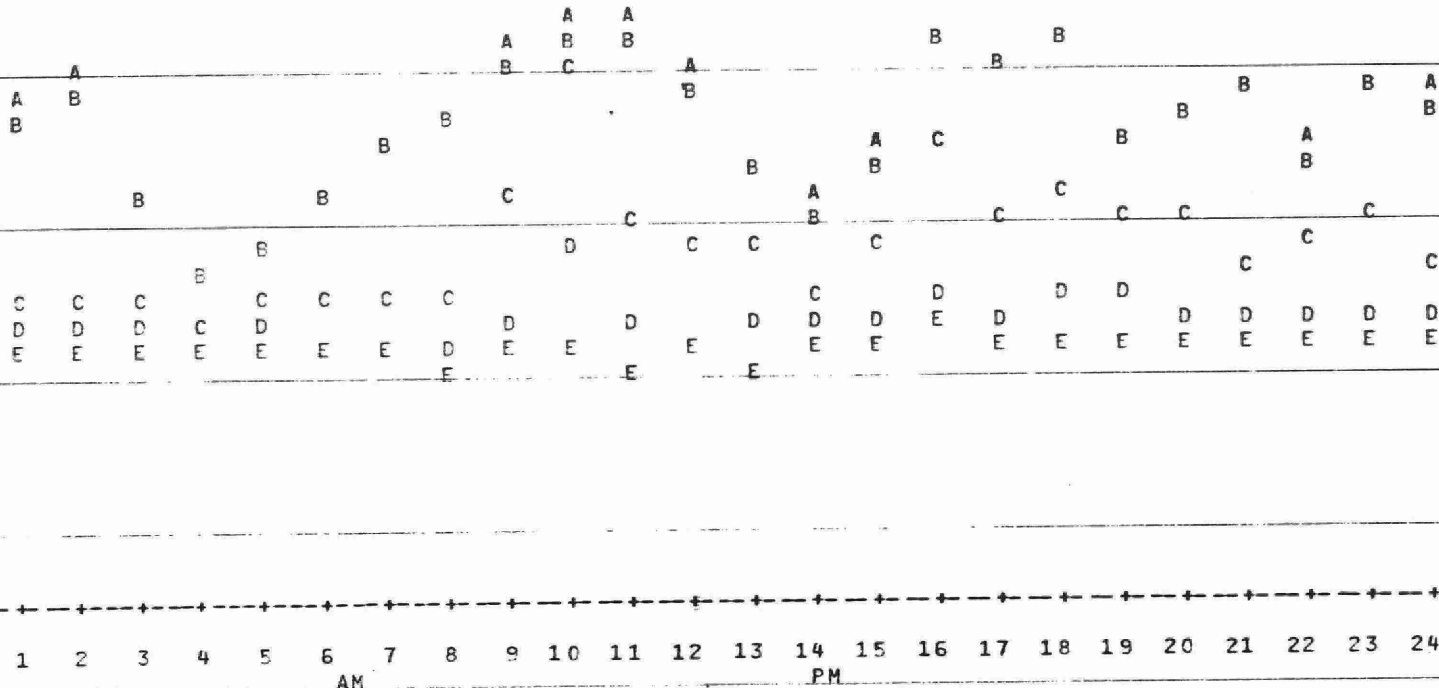
Community Description: site 6, residential industrial; multi-family dwellings close to light industry and auto wreckers; P. and G. Auto Wreckers 50' West; CNR tracks 800' to South; Hwy 17B and parallel CPR 800' to South; light industry in immediate vicinity.

Vehicular traffic noise along Gormanville Rd. dominated the sound environment, railway noise and noise from the auto wreckers are major intrusions. Distant traffic along the Highways is noticeable during the early morning. The monitor was located on Gormanville Rd., a busy arterial and truck route, 15' above the roadway on a hydro pole.

24 HOUR NOISE CLIMATE
DATE AND LOCATION CODE DEAG2

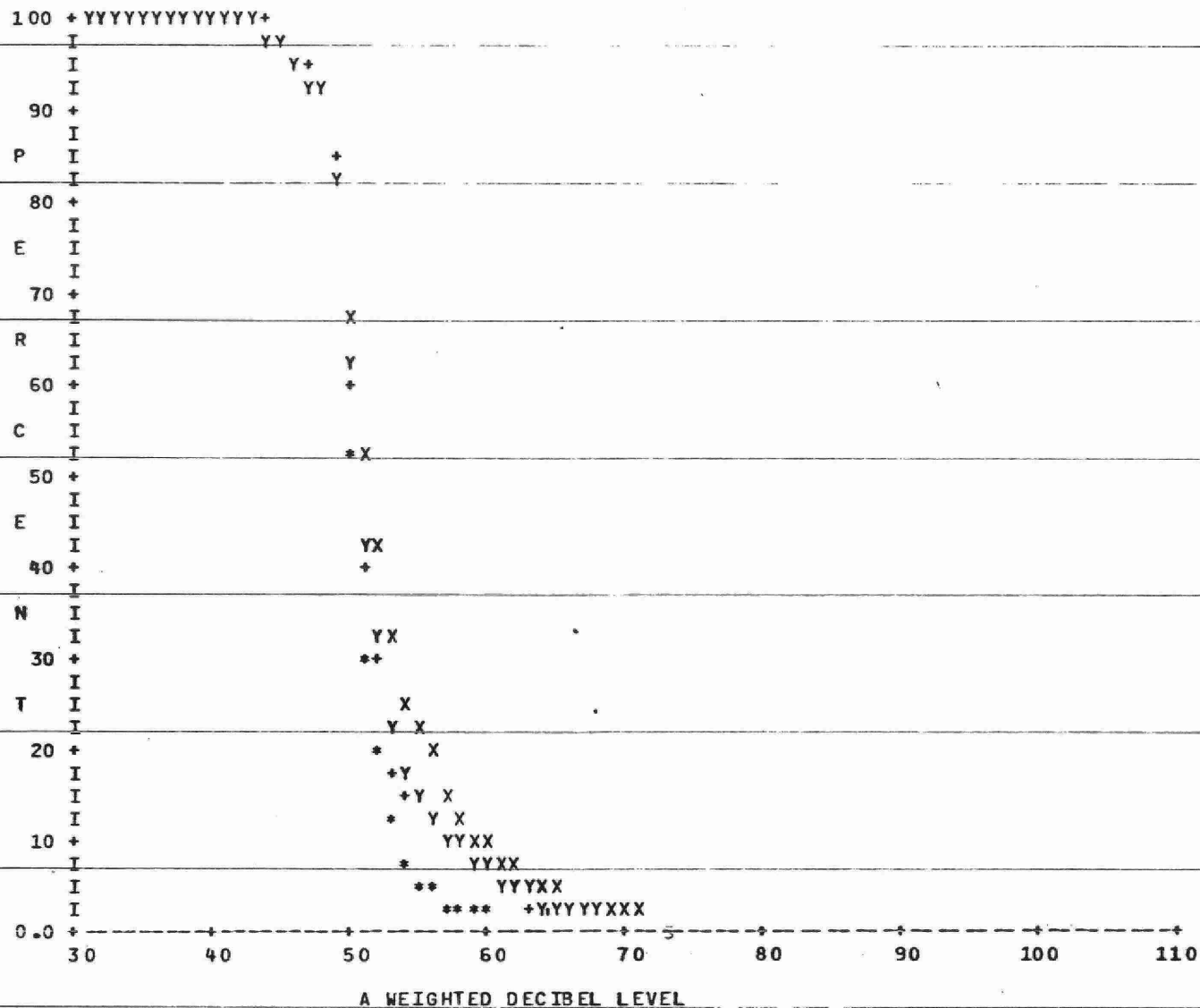
PERIOD	L ₁	L ₁₀	L ₅₀	L ₉₀	TNI	L _{EQ}	SIGMA	NPL
11p.m.-7a.m.62		54	51	49	38.5	52.9	2.9	60.2
7a.m.-7p.m. 72		60	52	49	62.5	59.1	5.4	72.8
7p.m.-11p.m.67		58	51	49	54.5	55.6	4.3	66.5
24 hour	70	58	51	49	54.5	57.3	4.6	69.0

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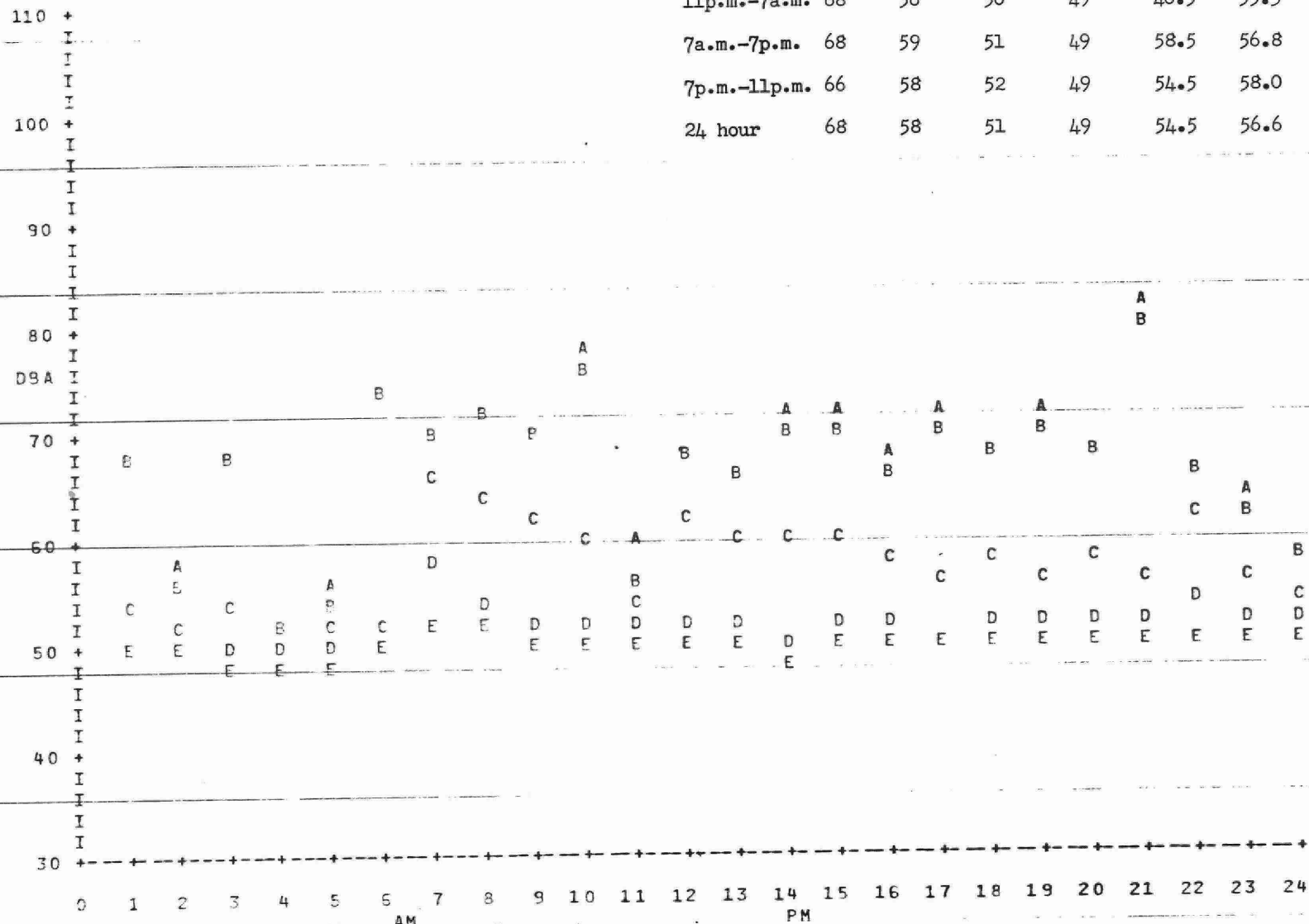
PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 06AG2



24 HOUR NOISE CLIMATE
DATE AND LOCATION CGDF 06U62

PERIOD	L ₁	L ₁₀	L ₅₀	L ₉₀	TNI	L _{EQ}	SIGMA	NPL
11p.m.-7a.m.	68	56	50	49	46.5	55.3	4.1	65.9
7a.m.-7p.m.	68	59	51	49	58.5	56.8	4.6	68.8
7p.m.-11p.m.	66	58	52	49	54.5	58.0	4.1	68.4
24 hour	68	58	51	49	54.5	56.6	4.4	67.9

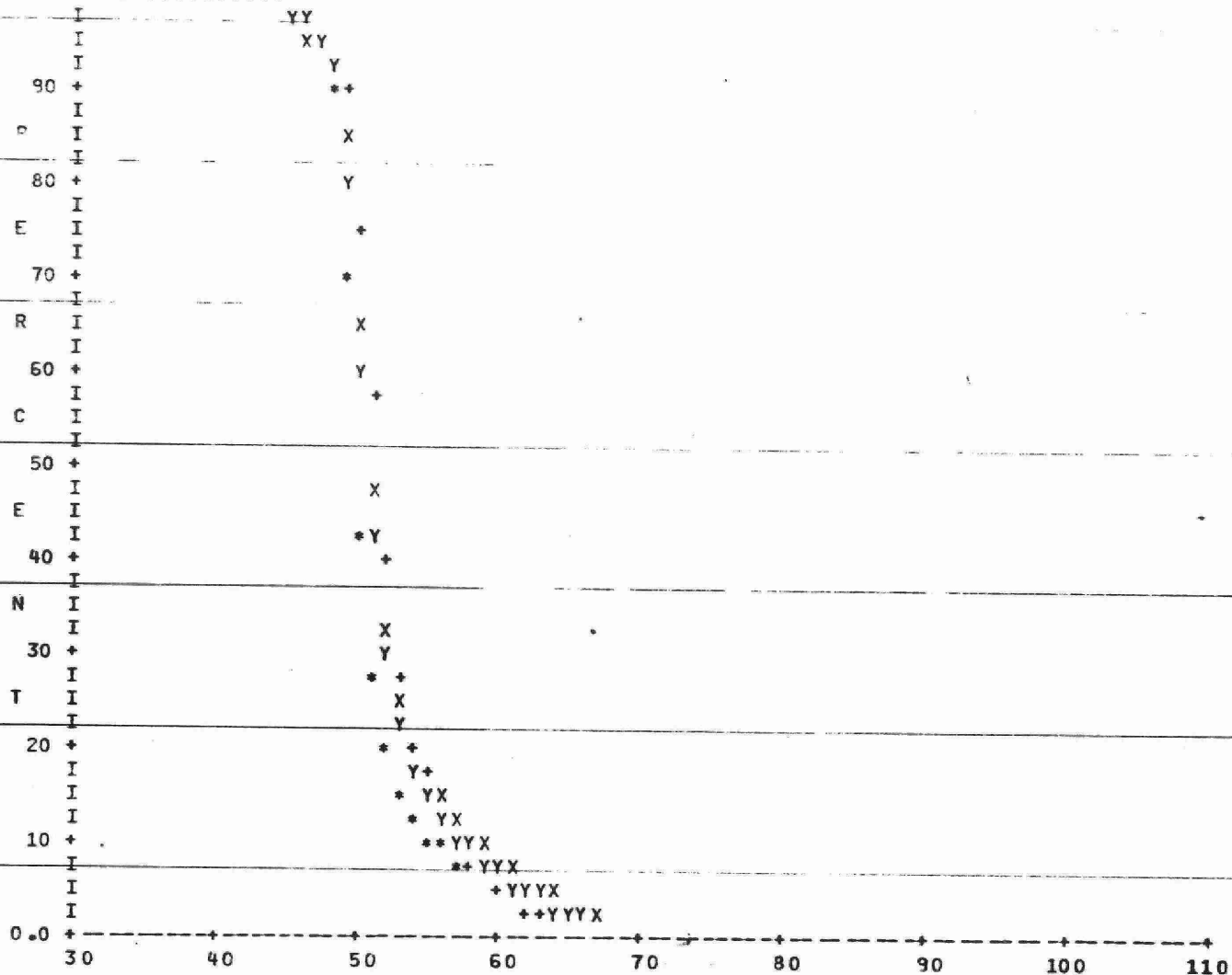


HOUR OF DAY

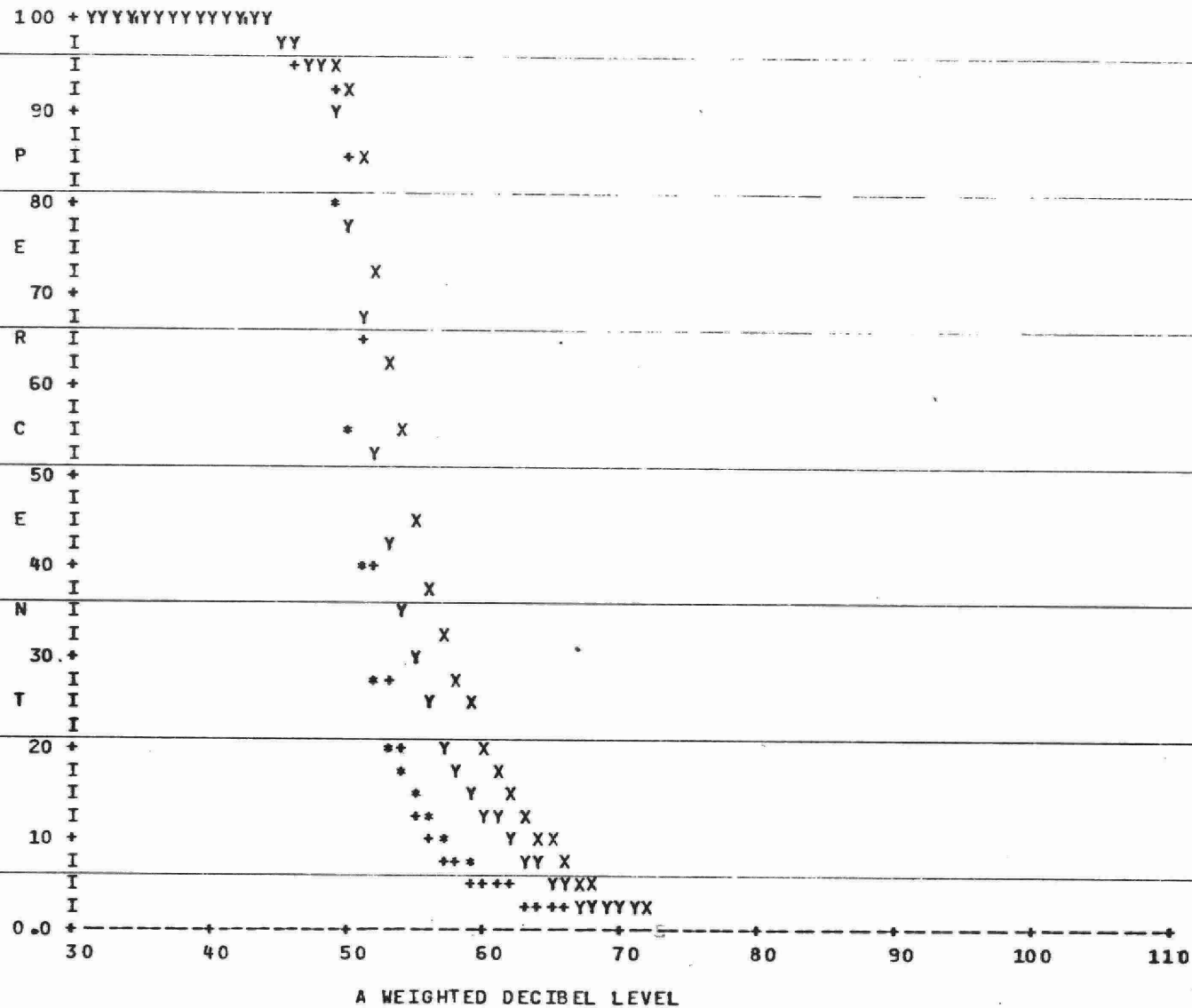
PERCENTAGE TIME DRA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 06U62

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A WEIGHTED DECIBEL LEVEL



24 HOUR NOISE CLIMATE						PERIOD	L ₁	L ₁₀	L ₅₀	L ₉₀	TNI	L _{EQ}	SIGMA	NPL
DATE AND LOCATION CODE						07AW1								
110	+					11p.m.-7a.m.	63	53	50	48	37.5	52.2	2.7	59.0
	I					7a.m.-7p.m.	62	55	51	49	42.5	56.3	3.3	64.7
	I					7p.m.-11p.m.	58	52	50	49	30.5	50.9	2.0	56.0
100	+					24 hour	62	54	50	49	38.5	54.6	3.0	62.3
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PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 07AW1

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Community Description: site 7, residential institutional; small neighbourhood park with facilities located in a residential area of modern single family homes; Lakeshore Drive a busy arterial 3500' to West; CPR tracks 800' to North east; Prince Edward Drive, a residential street, 40' to South West.

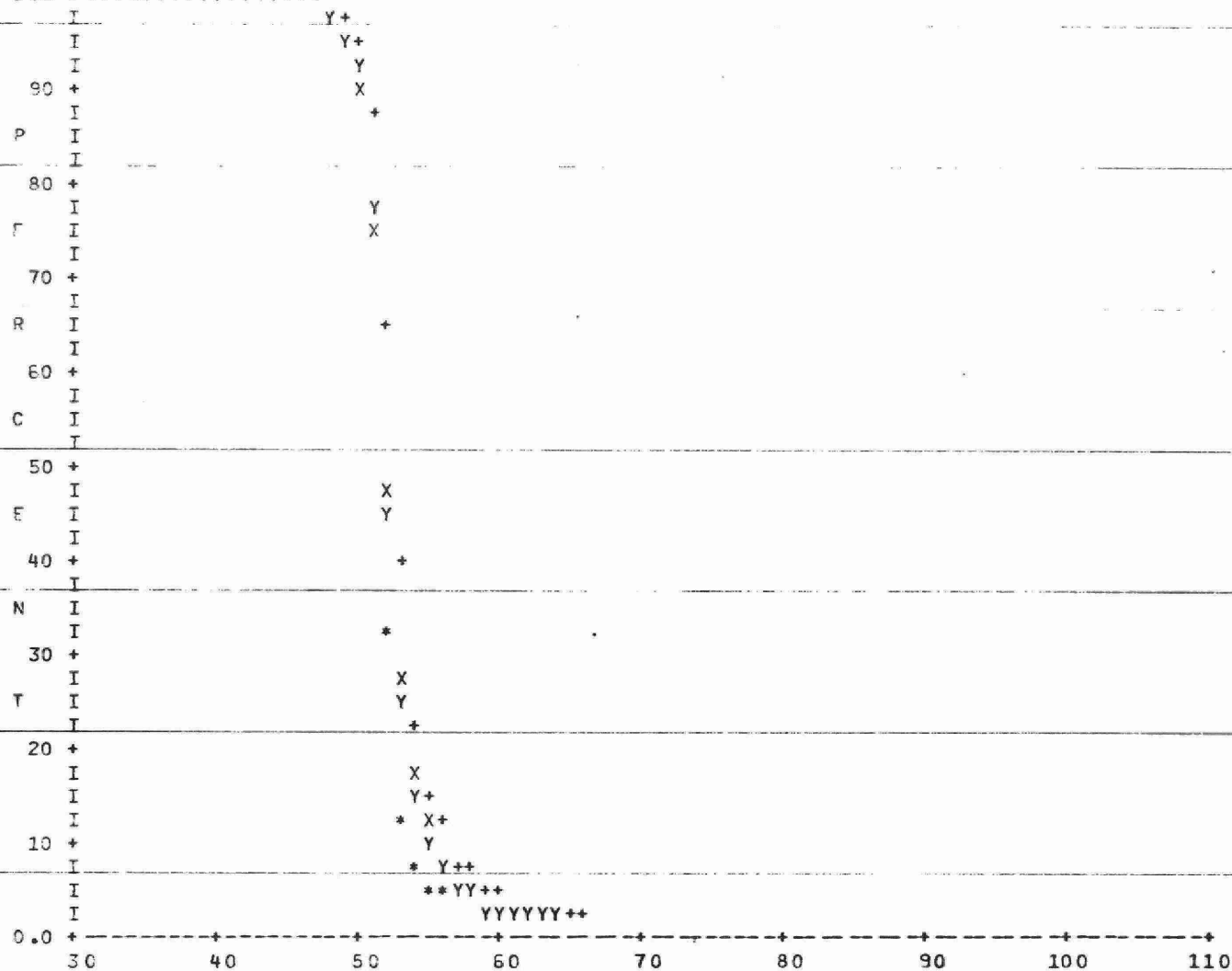
A relatively quiet sound environment dominated by recreational activity sounds and local traffic. Distant vehicular traffic and the occasional trains are noticeable. The monitor was located in the park at the end of Joseph Street, a residential street, on a hydro pole 15' above the ground.

A WEIGHTED DECIBEL LEVEL

[illegible]

DATE AND LOCATION CODE 07UG1

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A WEIGHTED DECIBEL LEVEL

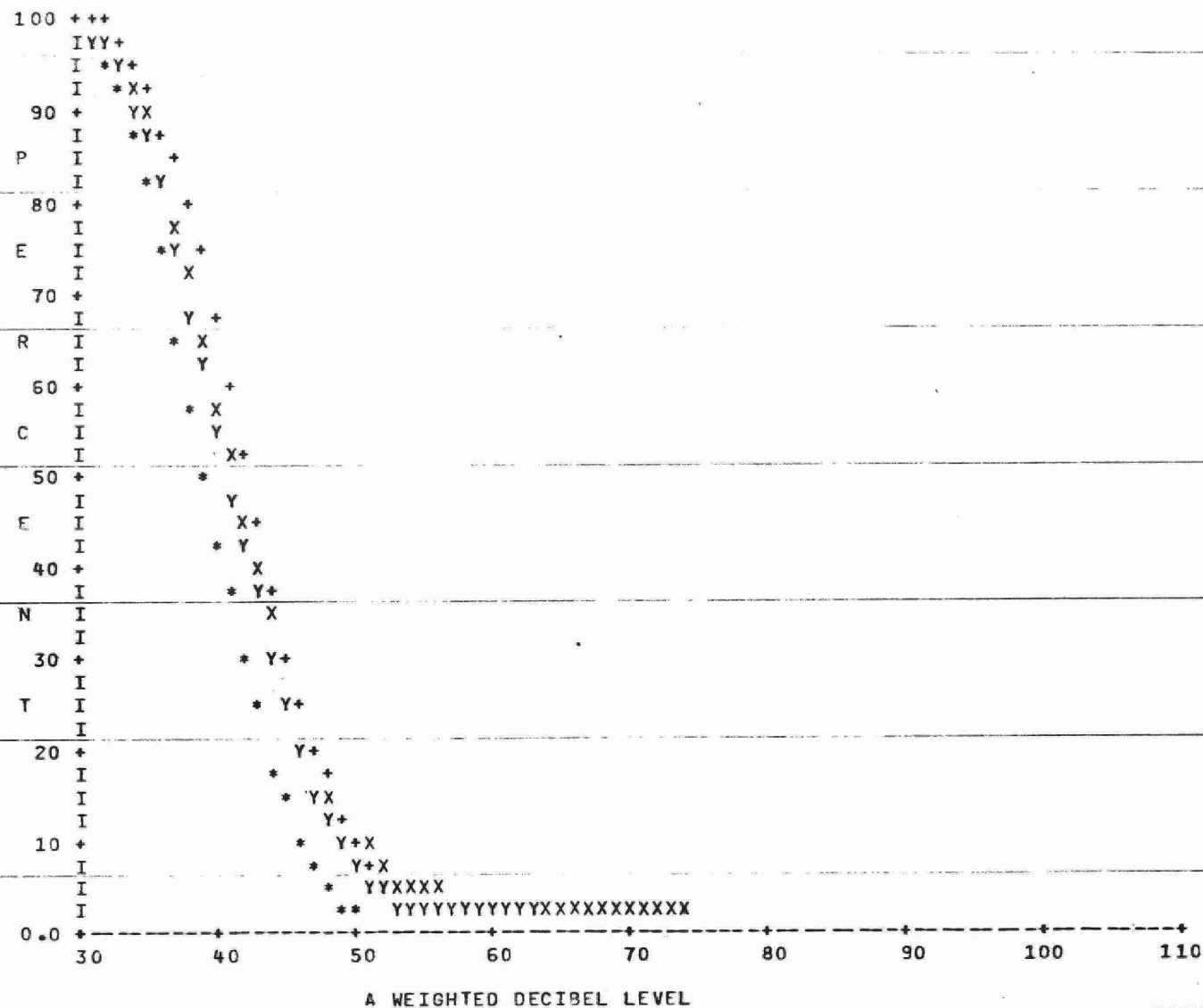
24 HOUR NOISE CLIMATE		PERIOD	L ₁	L ₁₀	L ₅₀	L ₉₀	TNI	L _{EQ}	SIGMA	NPL
DATE AND LOCATION CODE 07MG1		11p.m.-7a.m.	71	57	52	51	44.5	56.3	3.2	64.4
		7a.m.-7p.m.	68	59	53	51	52.5	57.7	3.7	67.3
		7p.m.-11p.m.	64	60	53	52	53.5	56.3	3.5	65.4
		24 hour	67	58	53	51	48.5	57.1	3.5	66.1

DATE AND LOCATION CODE 07MG1

[illegible]

A WEIGHTED DECIBEL LEVEL

DATE AND LOCATION CODE 07TG1

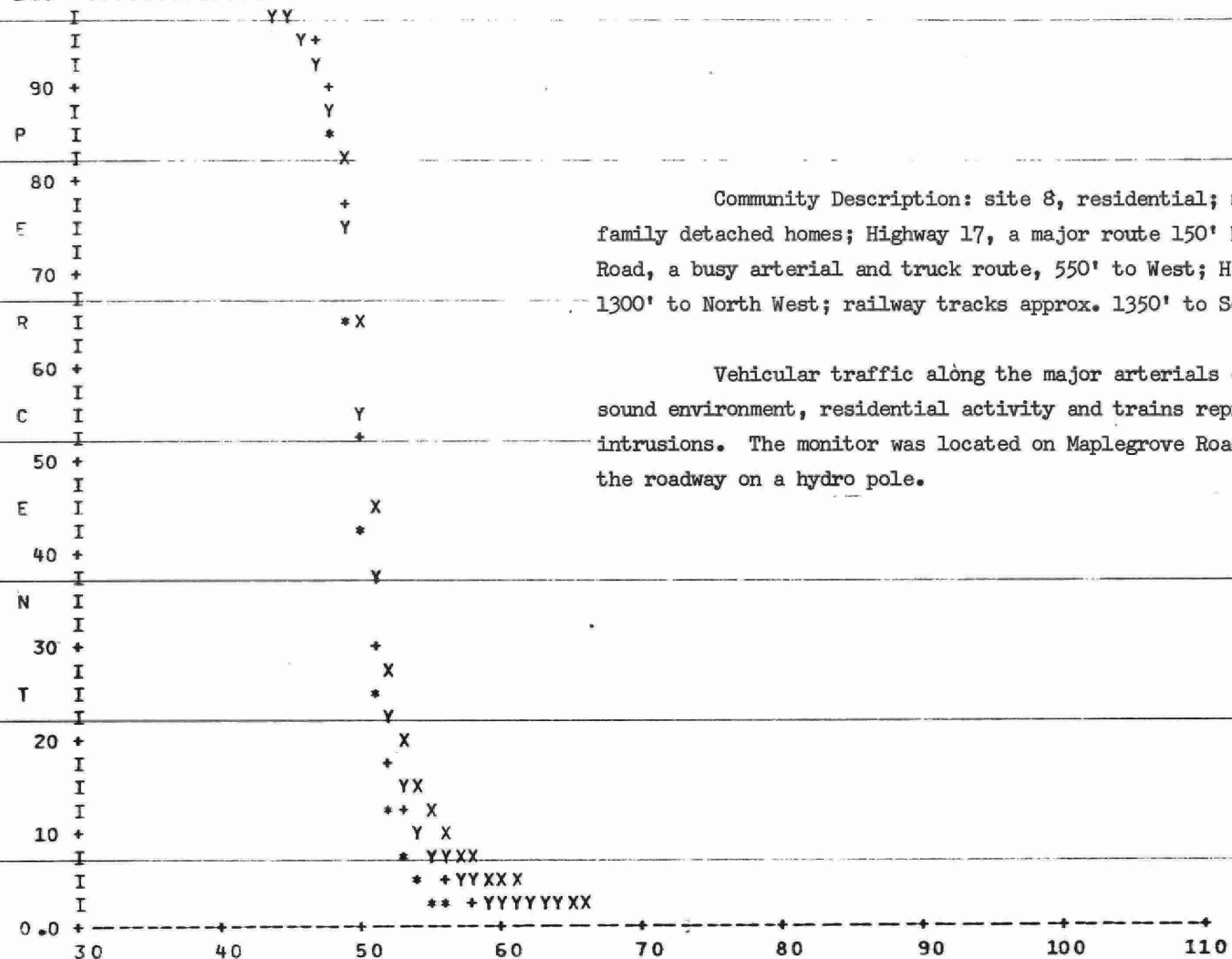


24 HOUR NOISE CLIMATE		PERIOD	L ₁	L ₁₀	L ₅₀	L ₉₀	TNI	L _{BQ}	SIGMA	NPL														
DATE AND LOCATION CODE			08FW2																					
110 +		11p.m.-7a.m.	57	53	50	48	37.5	51.1	2.3	57.1														
I		7a.m.-7p.m.	69	56	51	49	46.5	55.9	4.1	66.3														
I		7p.m.-11p.m.	64	54	51	48	41.5	56.3	3.4	65.1														
100 +		24 hour	65	55	51	48	45.5	54.9	3.6	64.0														
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DATE AND LOCATION CODE 08FW2

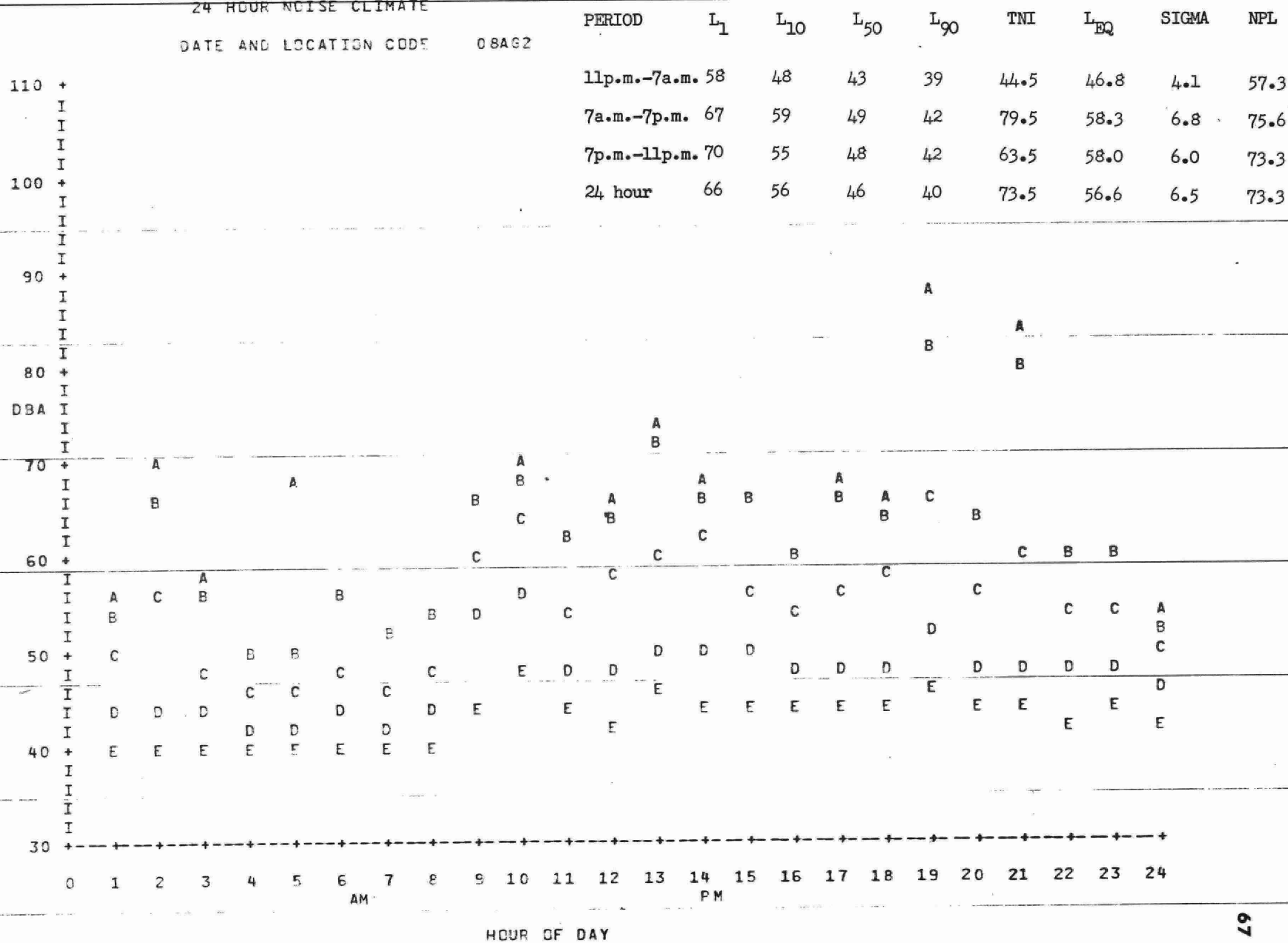
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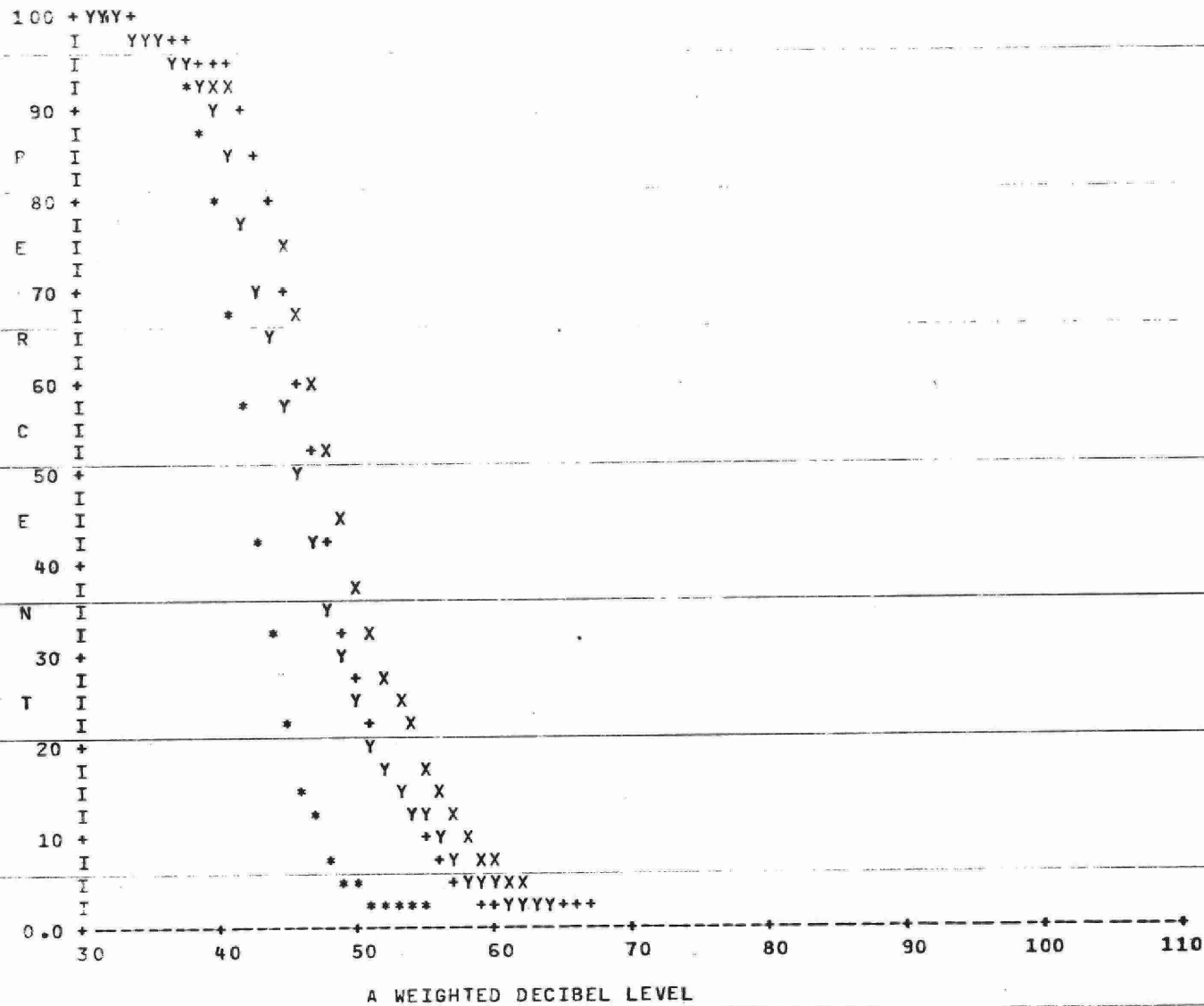


A WEIGHTED DECIBEL LEVEL

24 HOUR NOISE CLIMATE

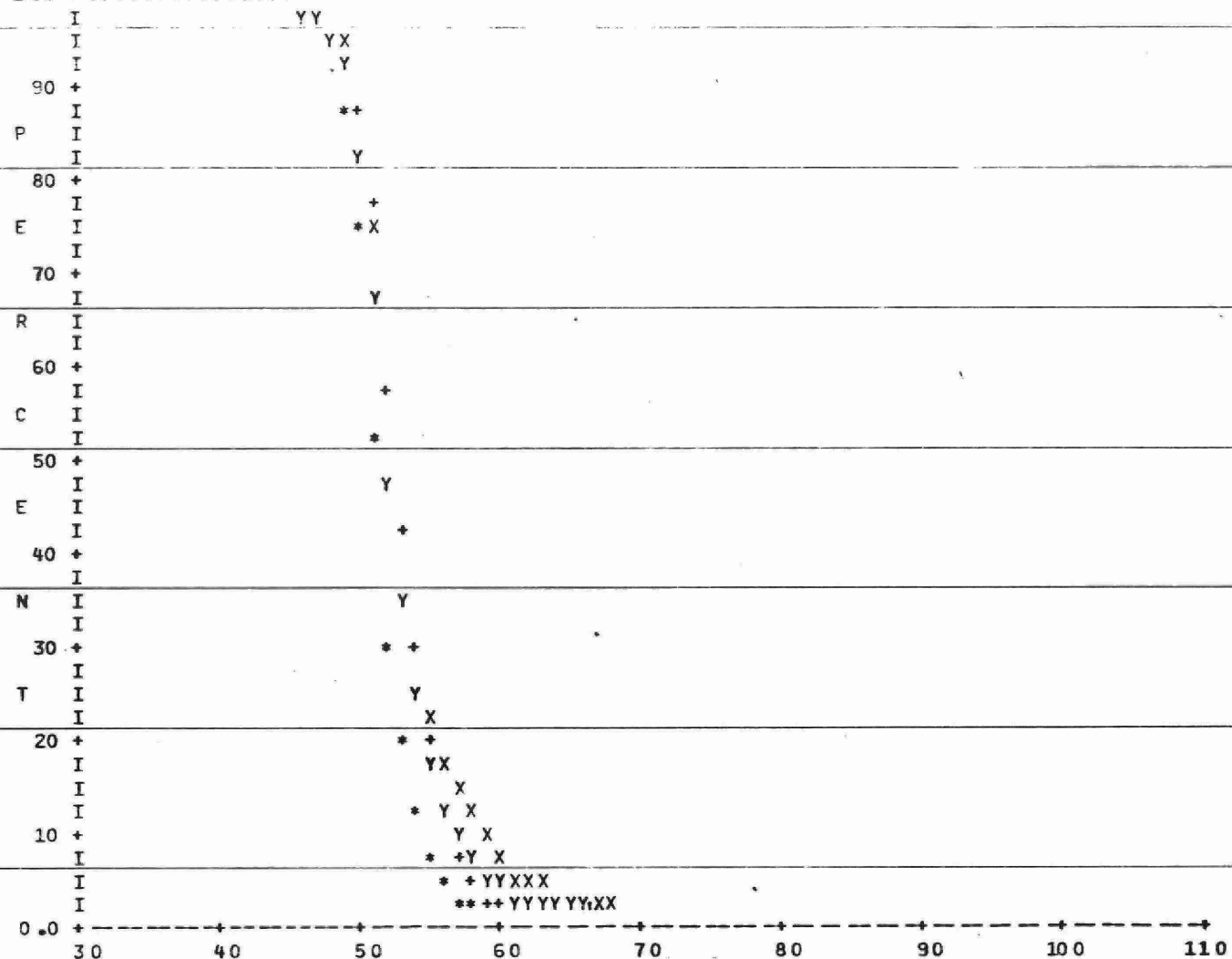
DATE AND LOCATION CODE 08AG2





DATE AND LOCATION CODE 08UG1

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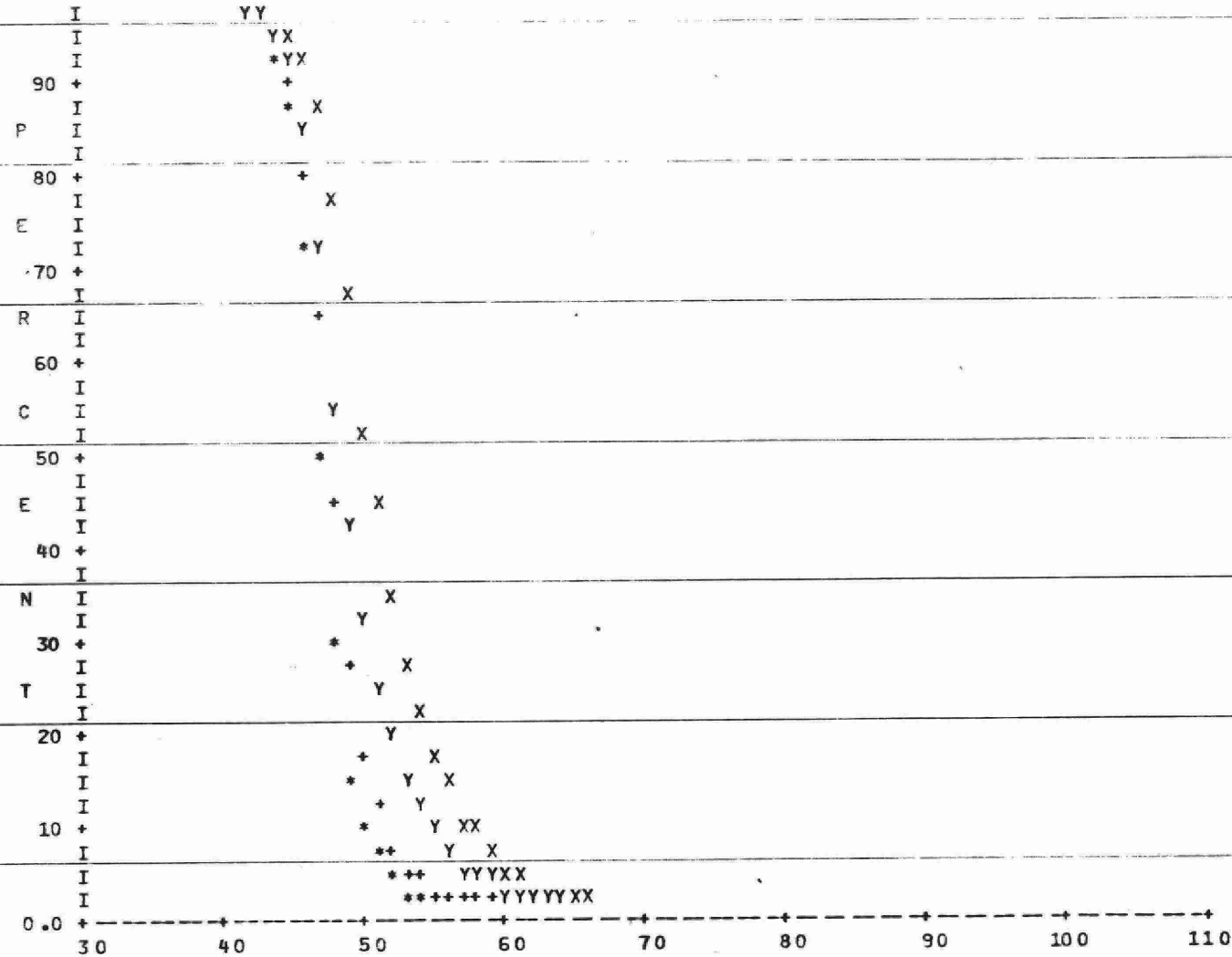
A WEIGHTED DECIBEL LEVEL

70

[illegible]

DATE AND LOCATION CODE 08MG1

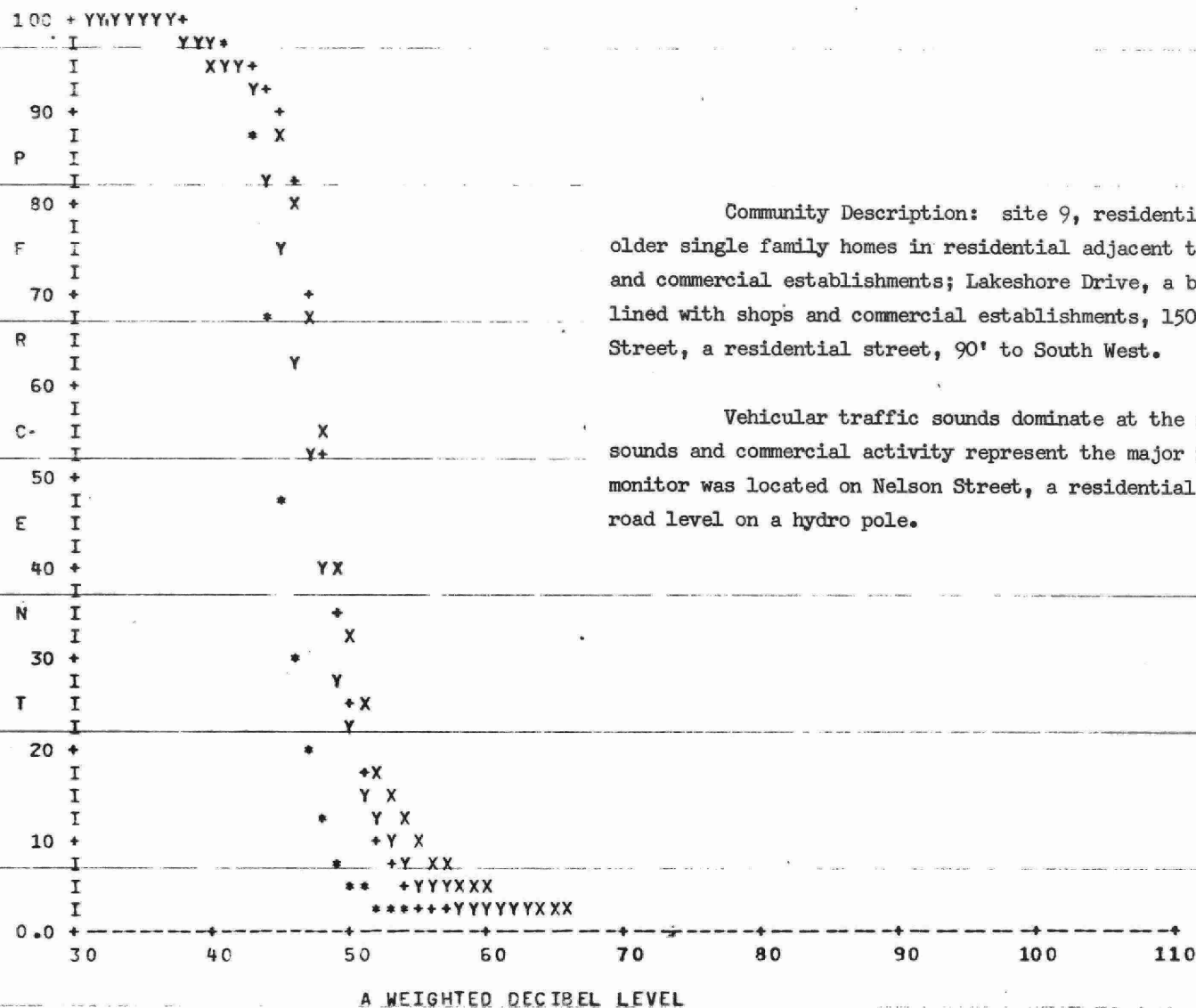
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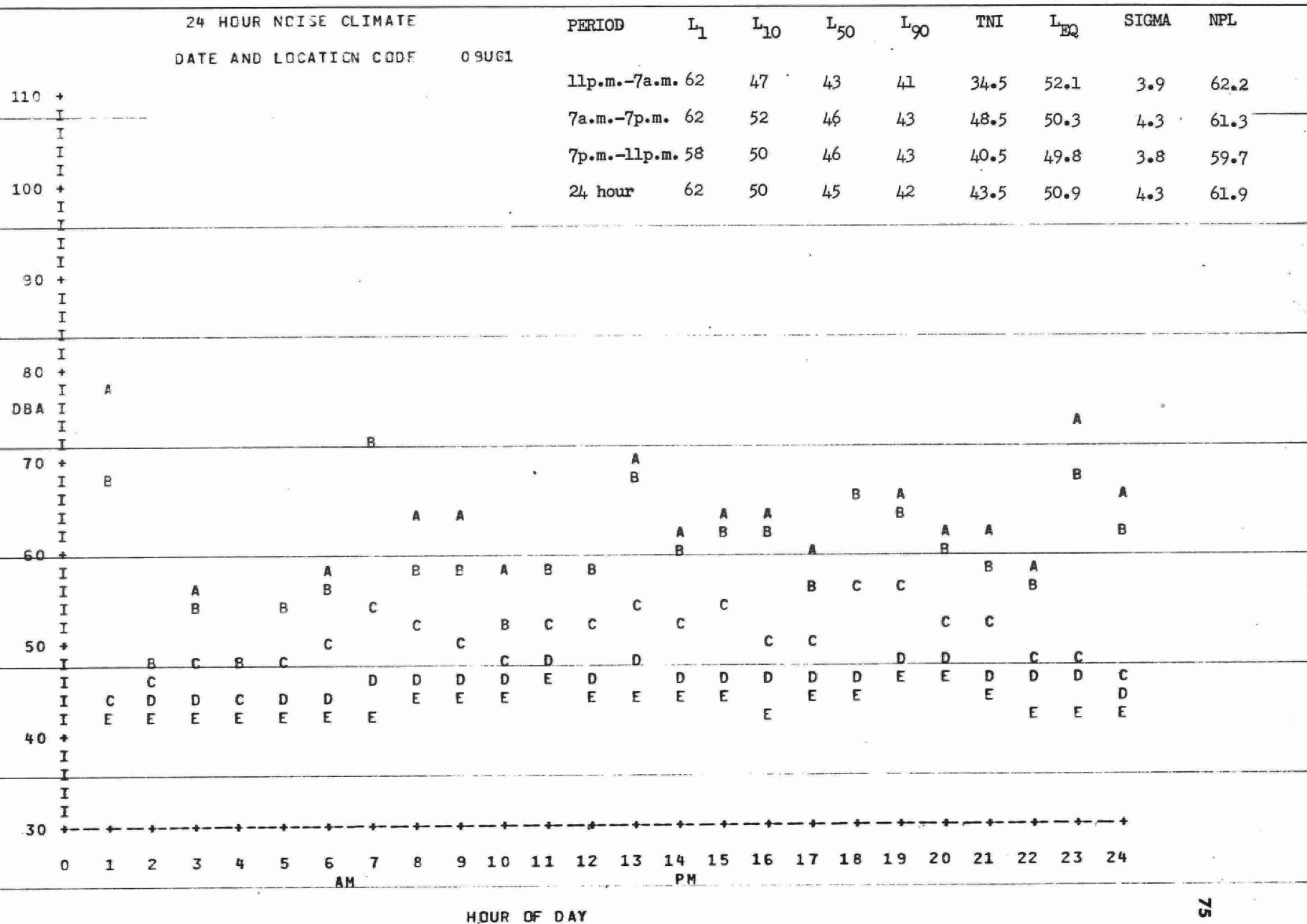


A WEIGHTED DECIBEL LEVEL

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DATE AND LOCATION CODE 09A61

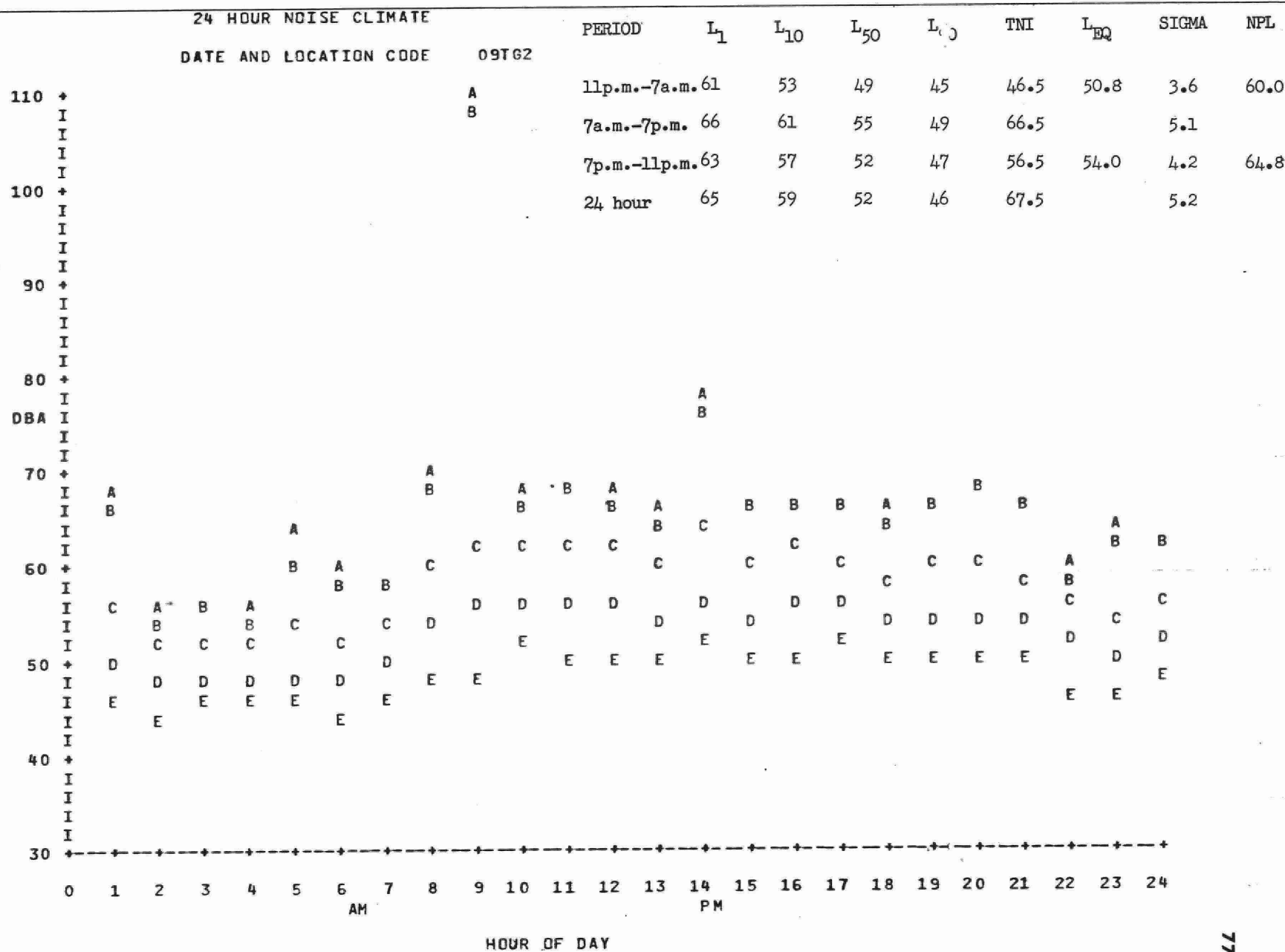




DATE AND LOCATION CODE 09UG1

The following table represents the data points extracted from the scatter plot, organized by their approximate vertical position (Y-axis value) and the symbols used to denote them.

Approximate Y-axis Value	Observed Symbols
90	Y, Y, Y, +, X
80	Y, +, X, +, Y
70	+
60	X, Y, +
50	Y
40	*, X, +
30	Y, X, +, *
20	*, +, X, Y, Y, X
10	*, Y, X, Y, X, X, X
0.0	*, *, *, Y, Y, X, X, *, *, *, Y, Y, Y, Y, Y, Y, Y, Y

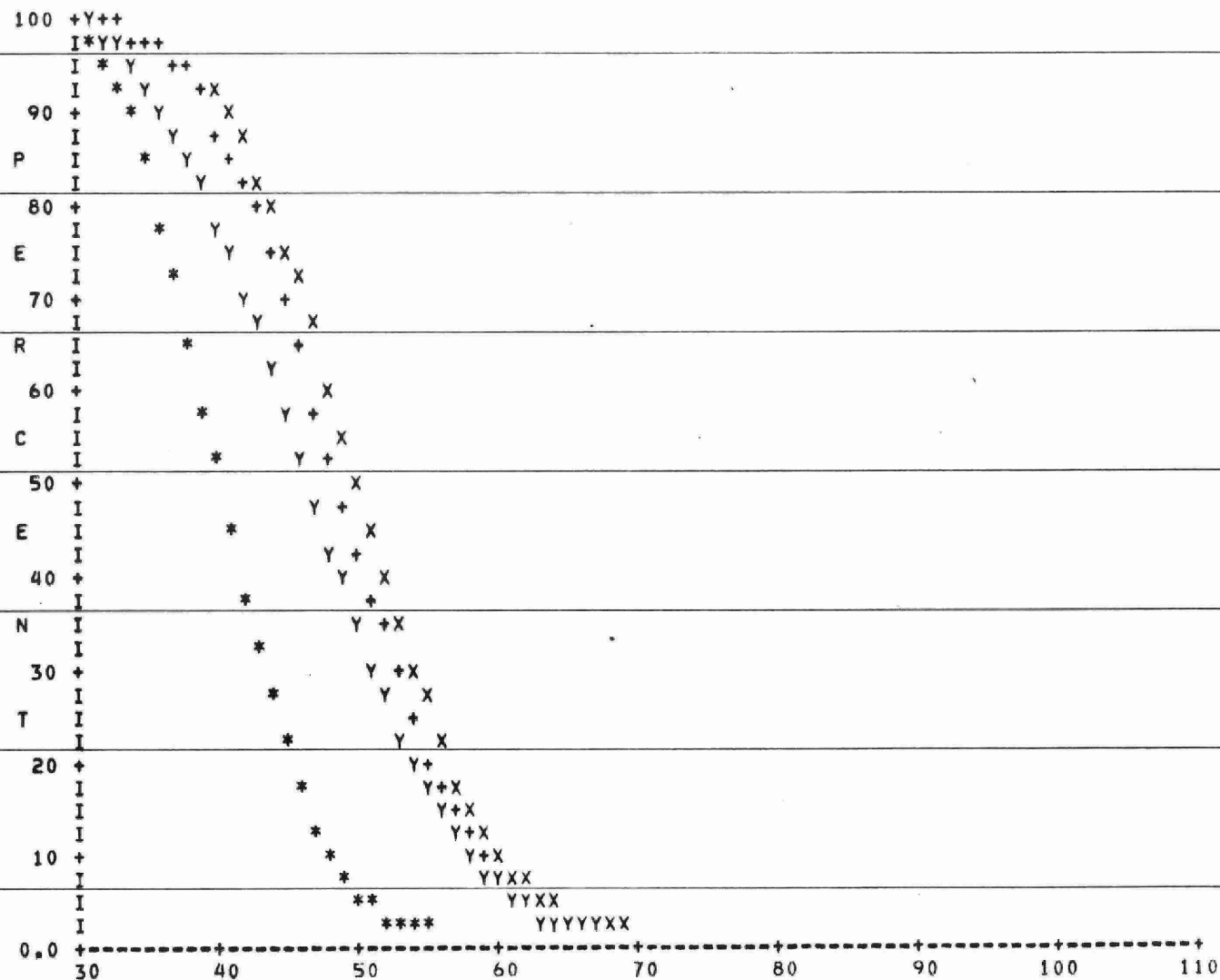




[illegible]

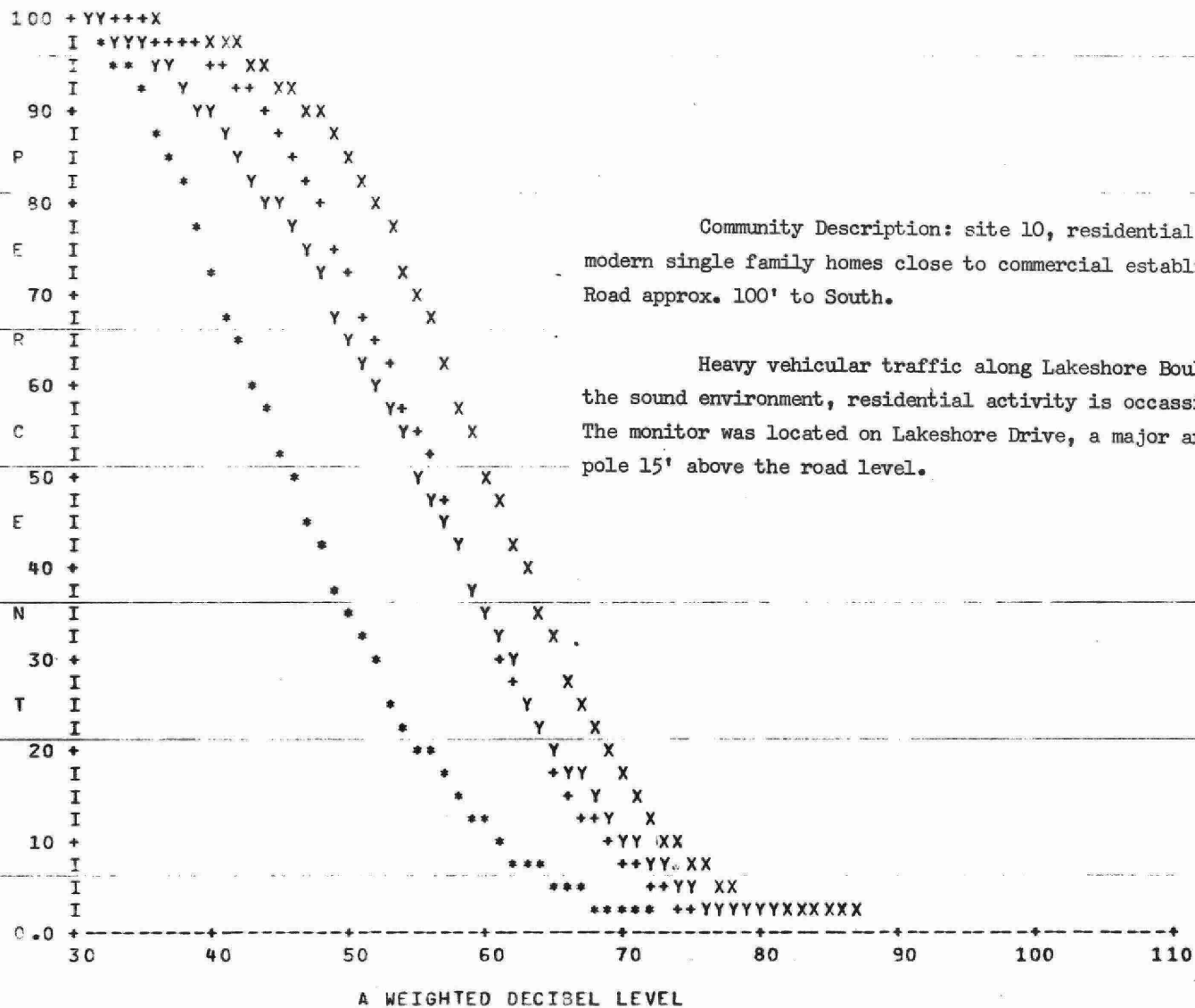
PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

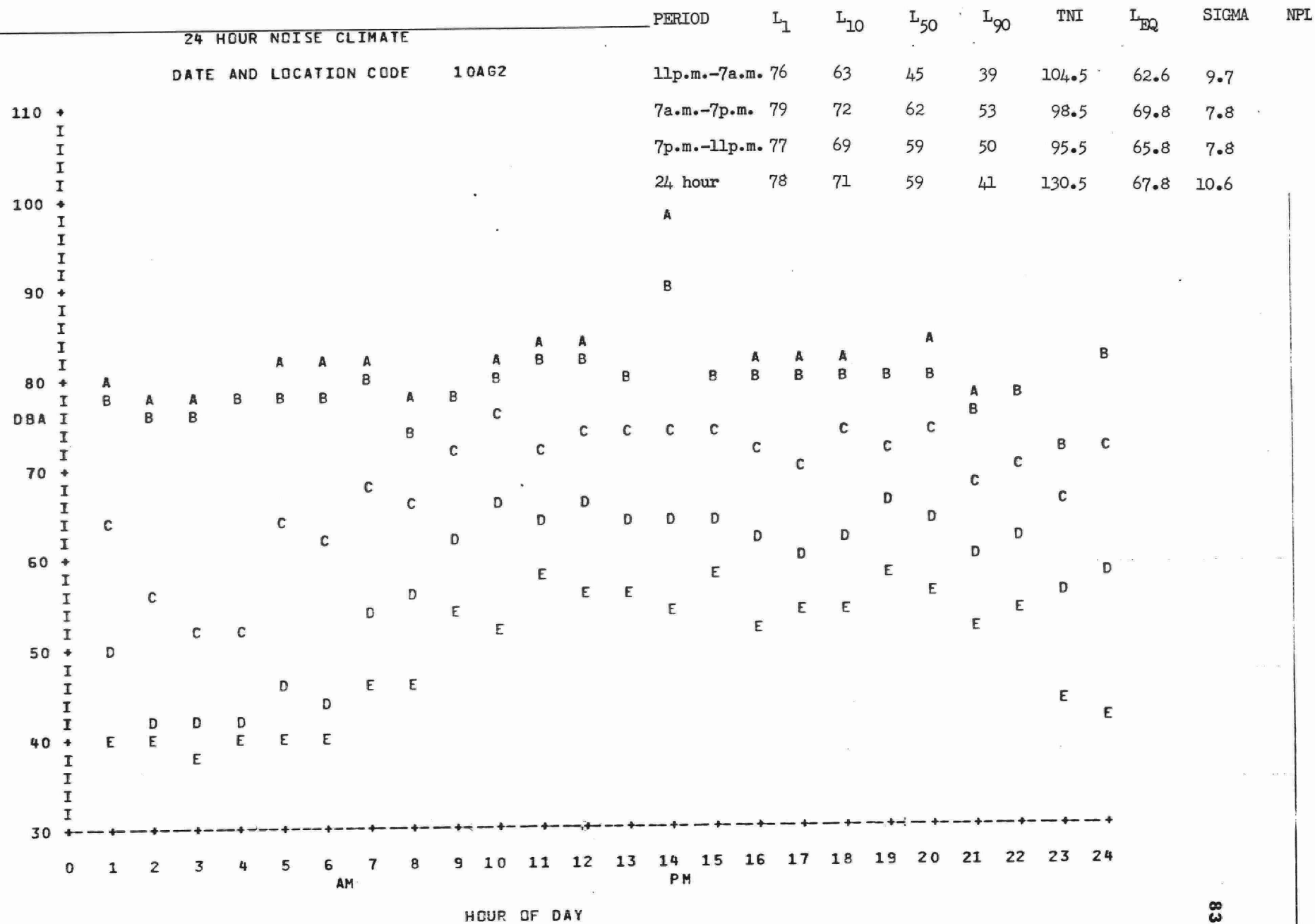
DATE AND LOCATION CODE 09WG1



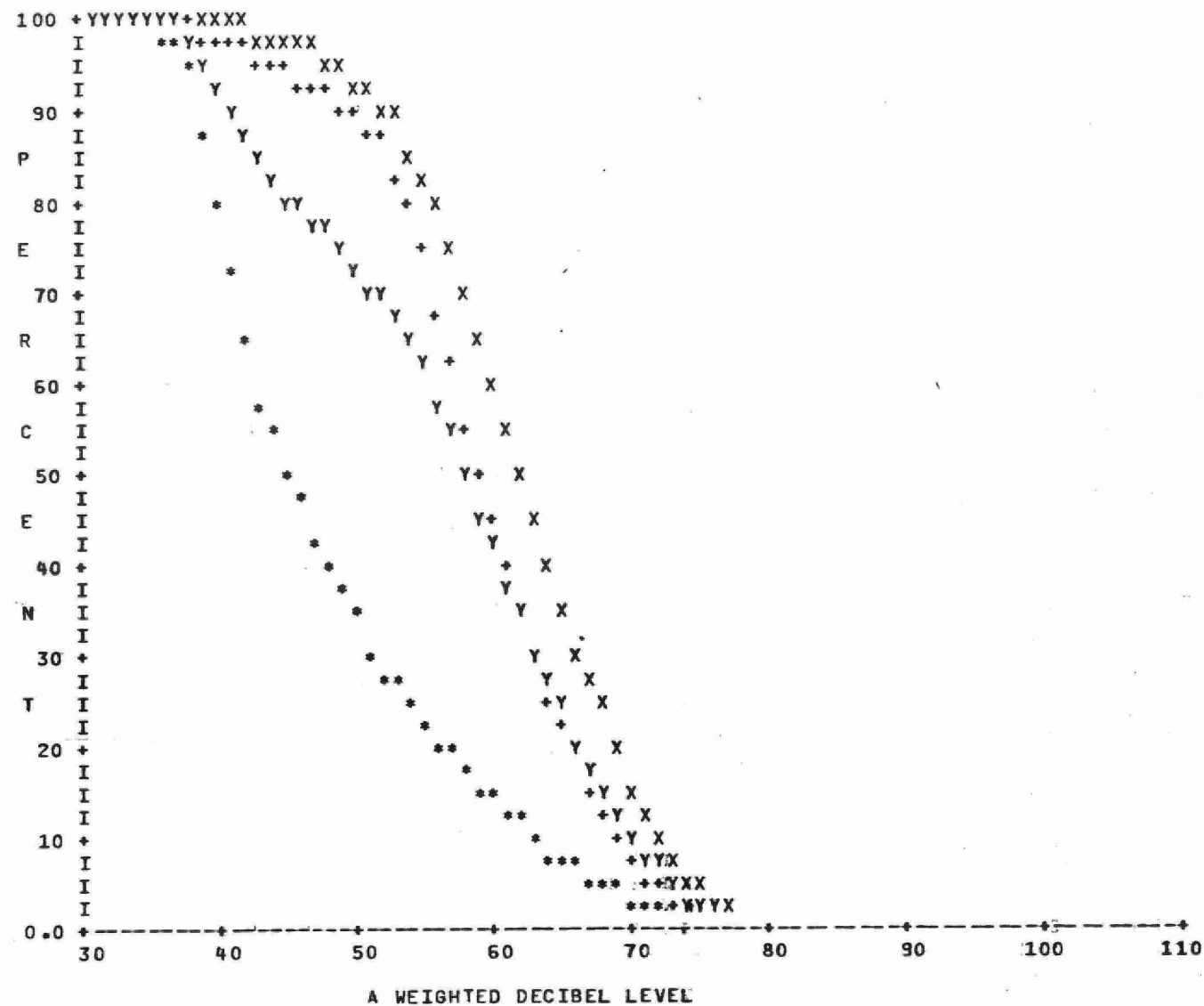
[illegible]

DATE AND LOCATION CODE 10F62





DATE AND LOCATION CODE 10AG2



24 HOUR NOISE CLIMATE

DATE AND LOCATION CODE

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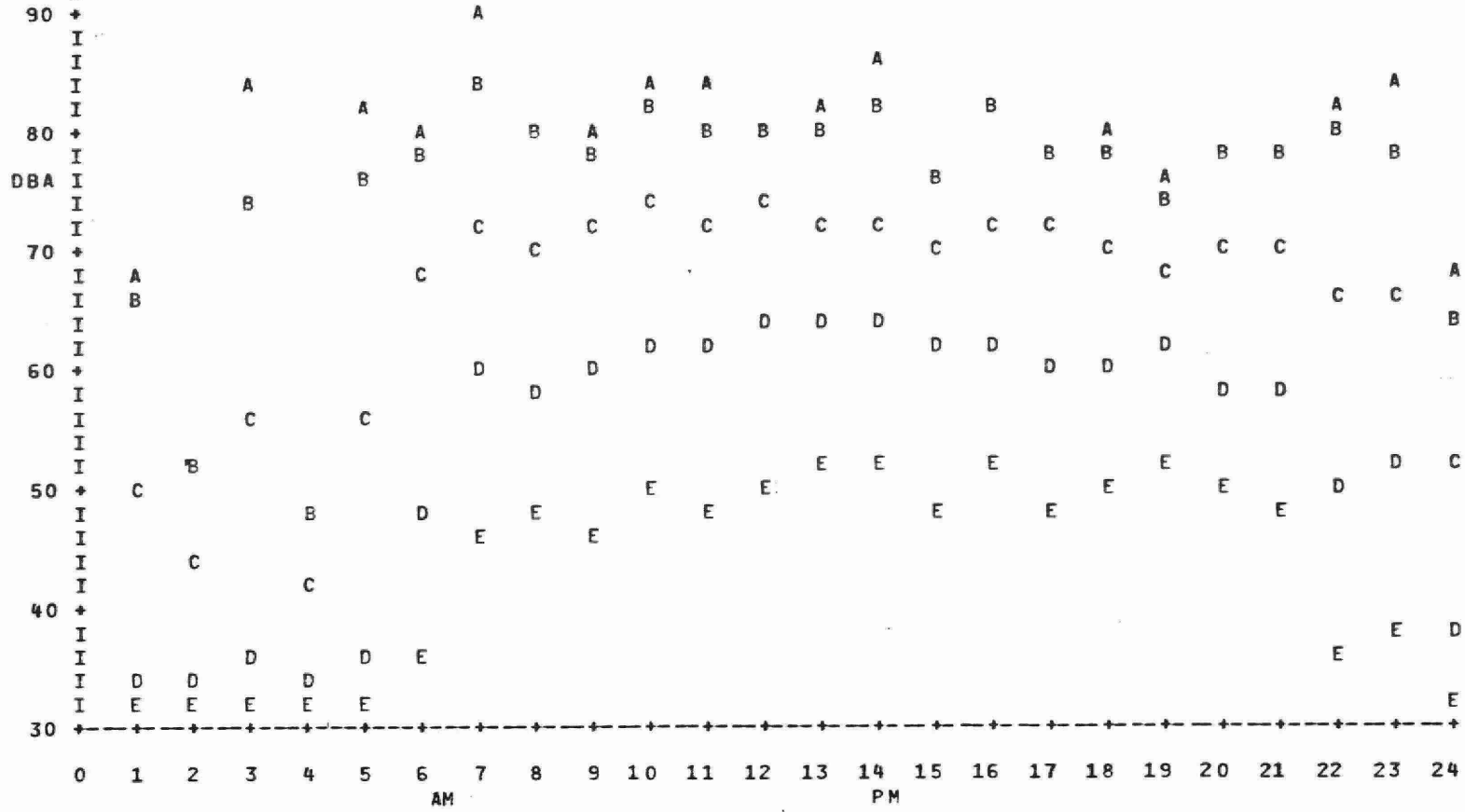
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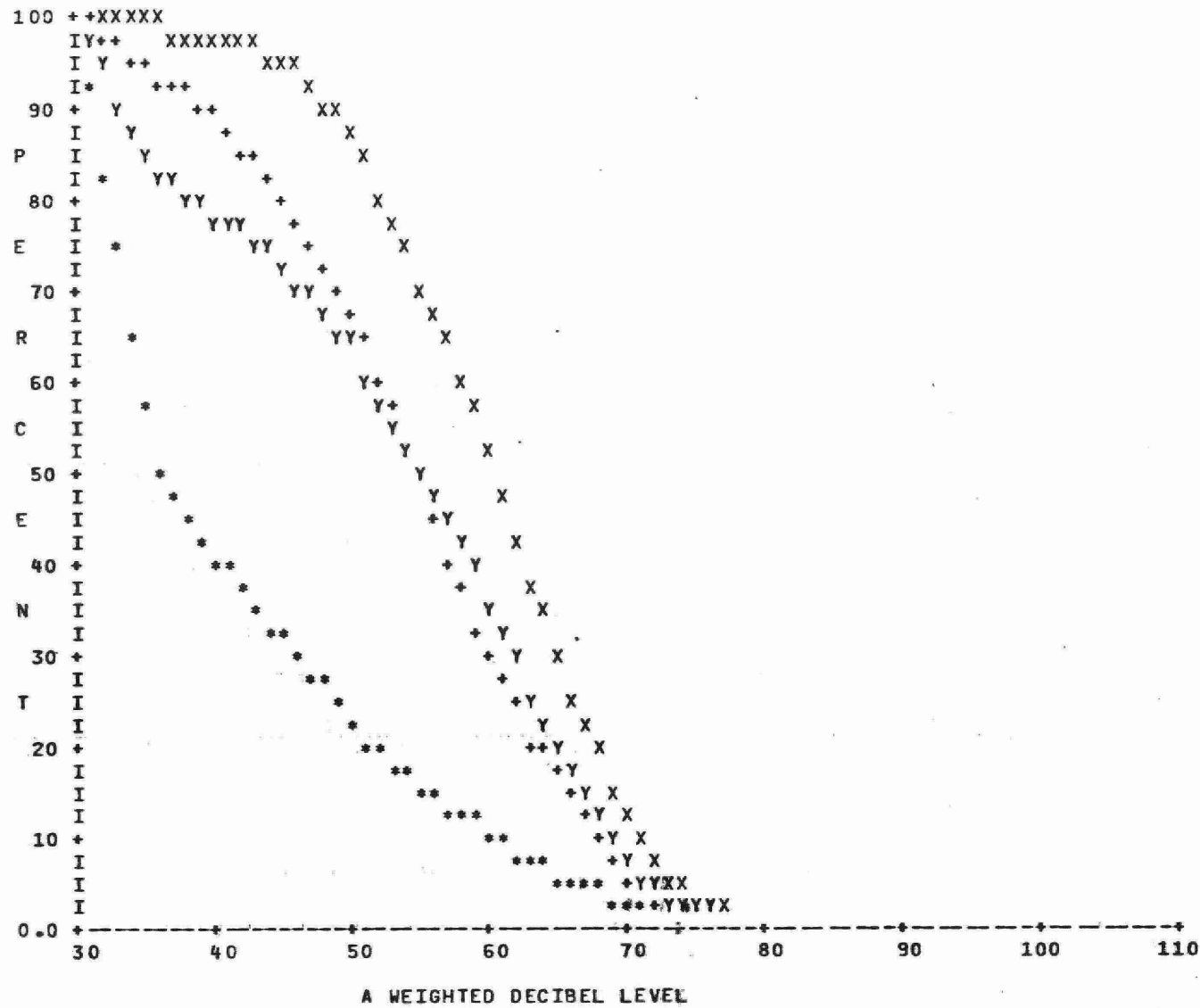
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HOUR OF DAY

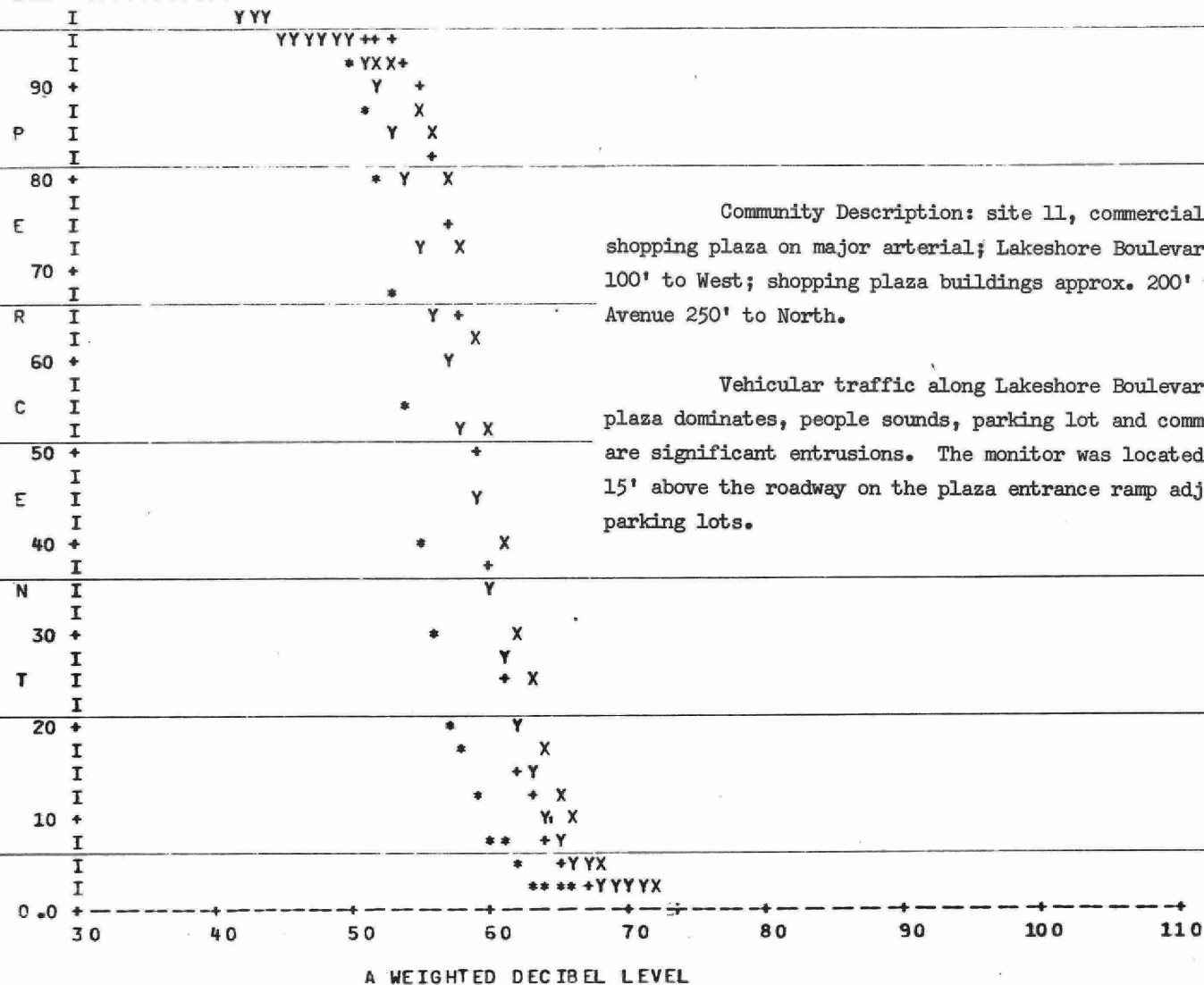
DATE AND LOCATION CODE 10MG2



[illegible]

DATE AND LOCATION CODE 11FW1

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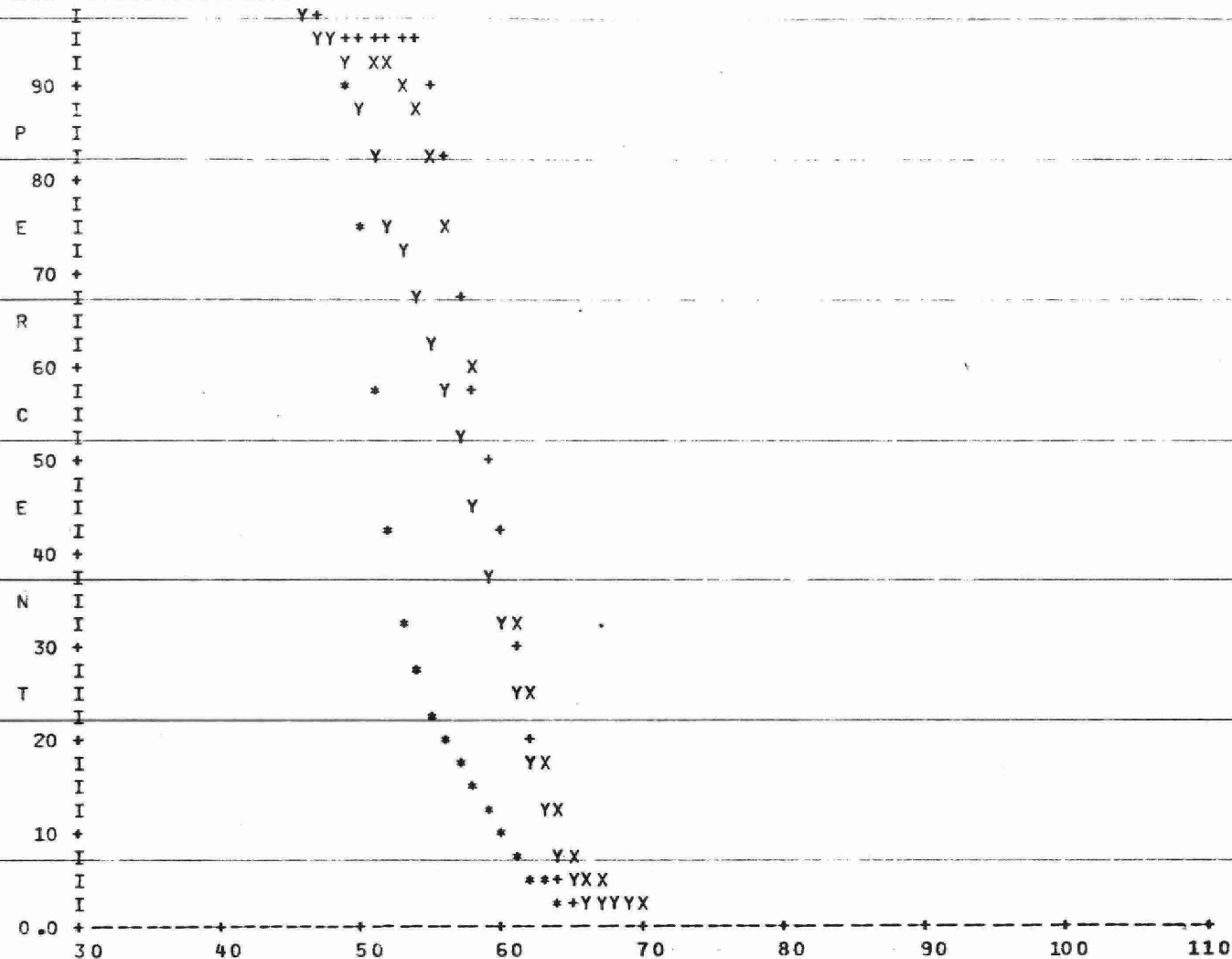
DATE AND LOCATION CODE 11AG1



[illegible]

DATE AND LOCATION CODE 11UG1

100 + YYYYYYYYYYYYYY

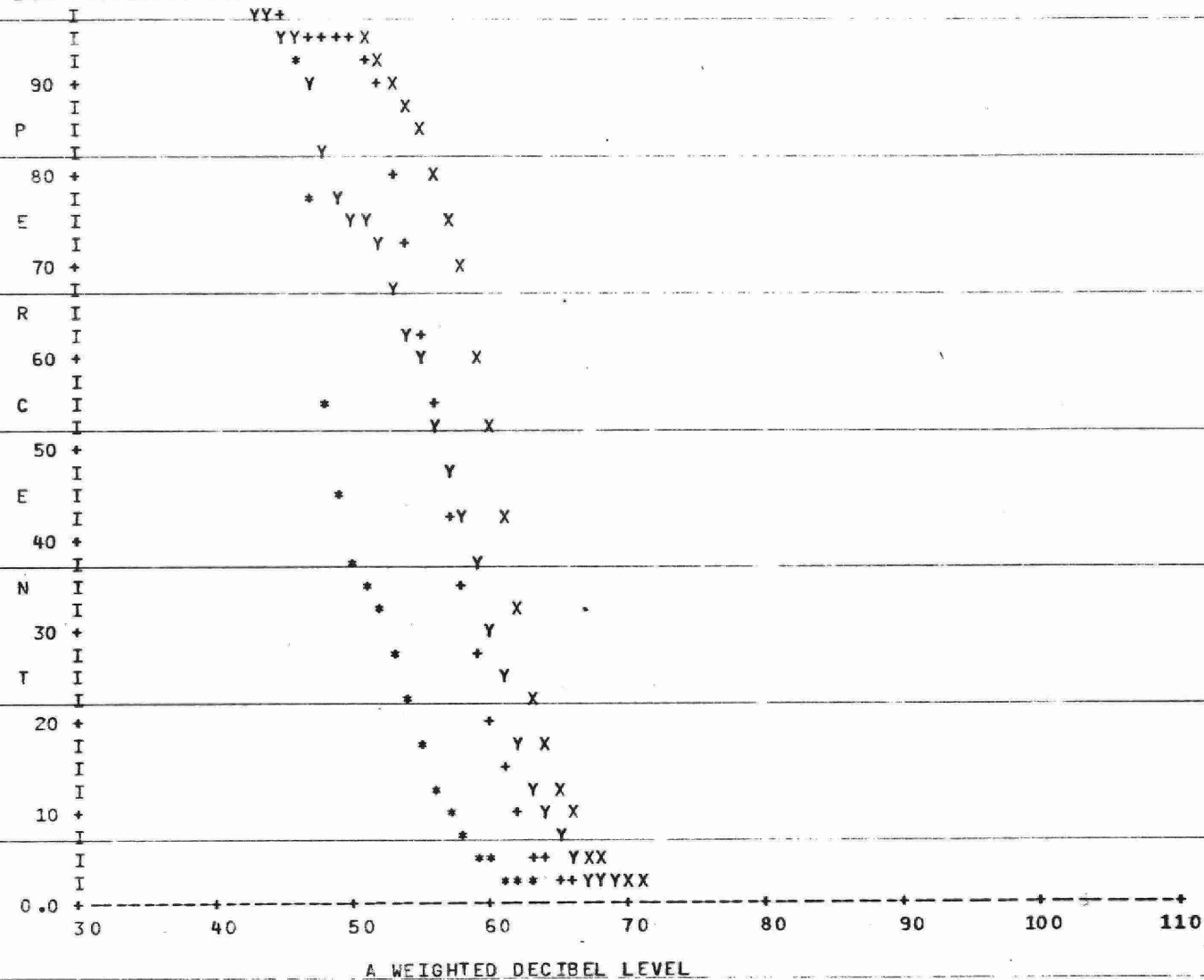


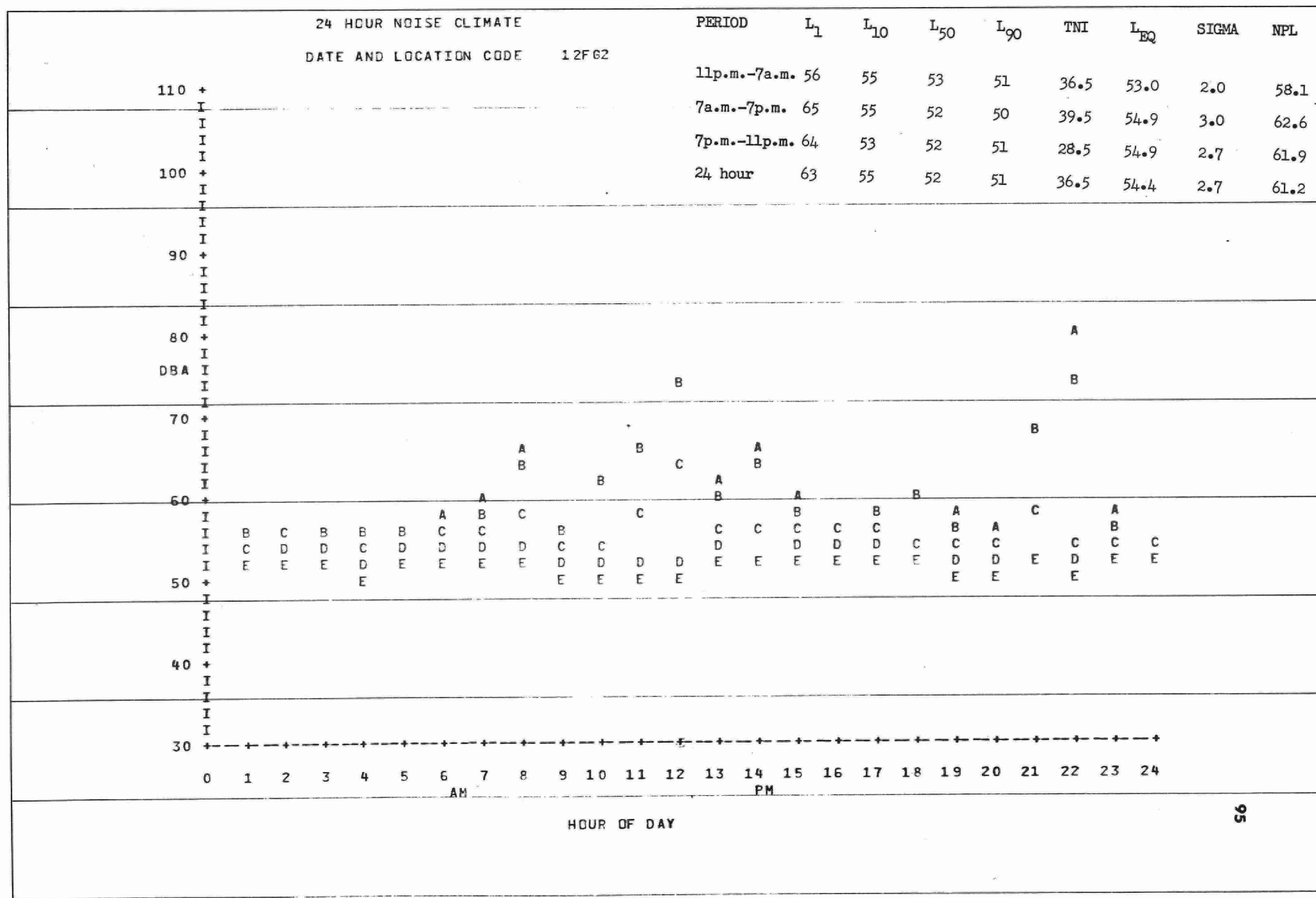
A WEIGHTED DECIBEL LEVEL

[illegible]

DATE AND LOCATION CODE 11MG1

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PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 12F02

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A WEIGHTED DECIBEL LEVEL

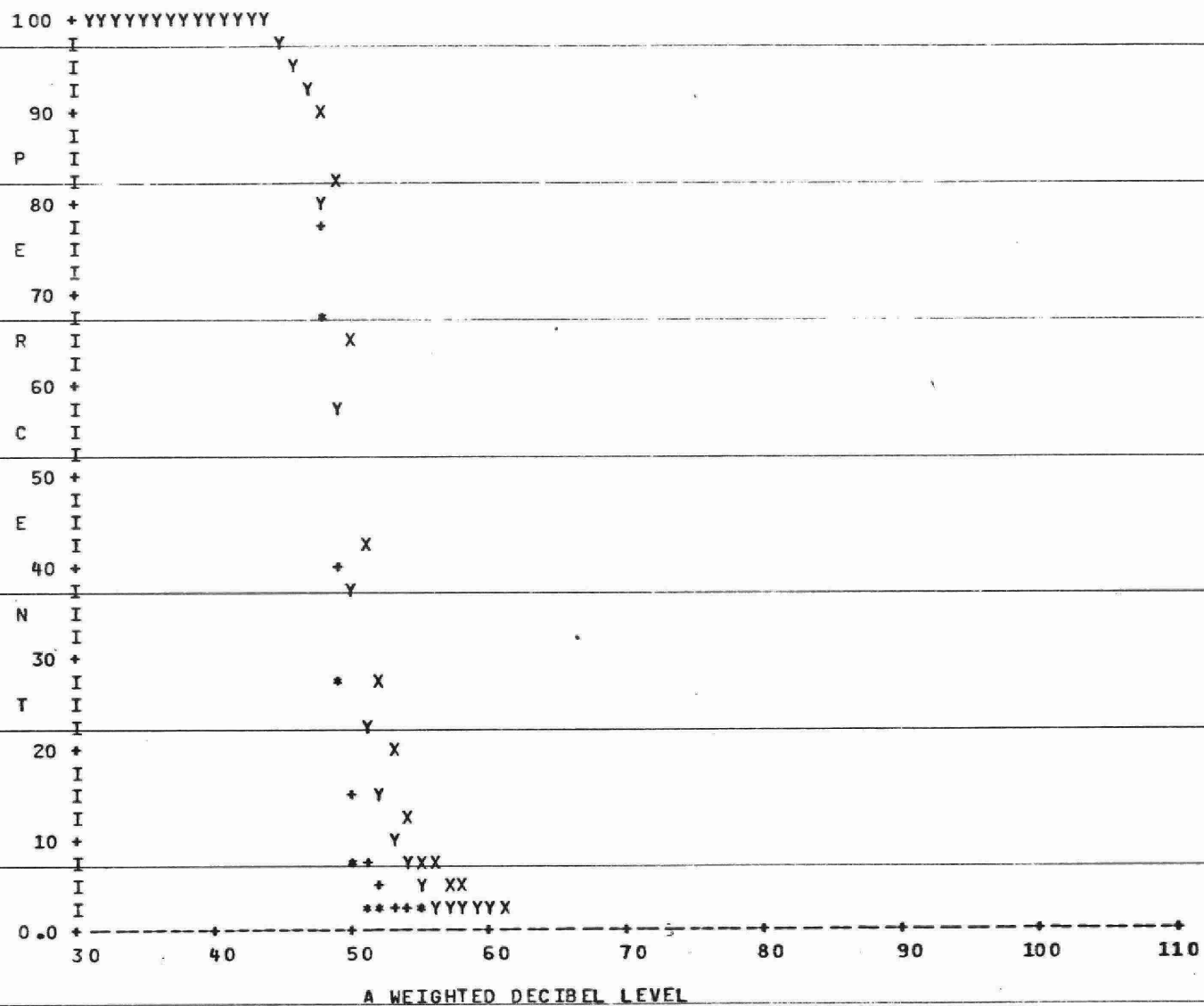
Community Description: site 12, residential commercial; a modern mixed residential area of single and multi-family dwellings and summer cottages close to commercial establishments; Lakeshore Boulevard, a major arterial lined with commercial establishments approx. 500' to East; Nipissing Lake approx 300' to West; Sunset Boulevard a residential street approx. 100' to South.

Residential activity and people sound dominate, with distant traffic along Lakeshore Boulevard forms the general background level. Waves breaking on the beach is a significant intrusion. The monitor was located on Banner Avenue, a residential street, on a hydro 15' above the road.

24 HOUR NOISE CLIMATE		PERIOD	L ₁	L ₁₀	L ₅₀	L ₉₀	TNI	L _{EQ}	SIGMA	NPL
DATE AND LOCATION CODE		12A32								
110 +	I	11p.m.-7a.m.	57	50	49	48	25.5	51.9	2.0	57.0
I	I	7a.m.-7p.m.	62	55	51	49	42.5	53.3	3.2	61.4
I	I	7p.m.-11p.m.	55	51	49	48	29.5	49.7	1.7	54.1
100 +	I	24 hour	61	54	50	48	41.5	52.4	2.9	59.8
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PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

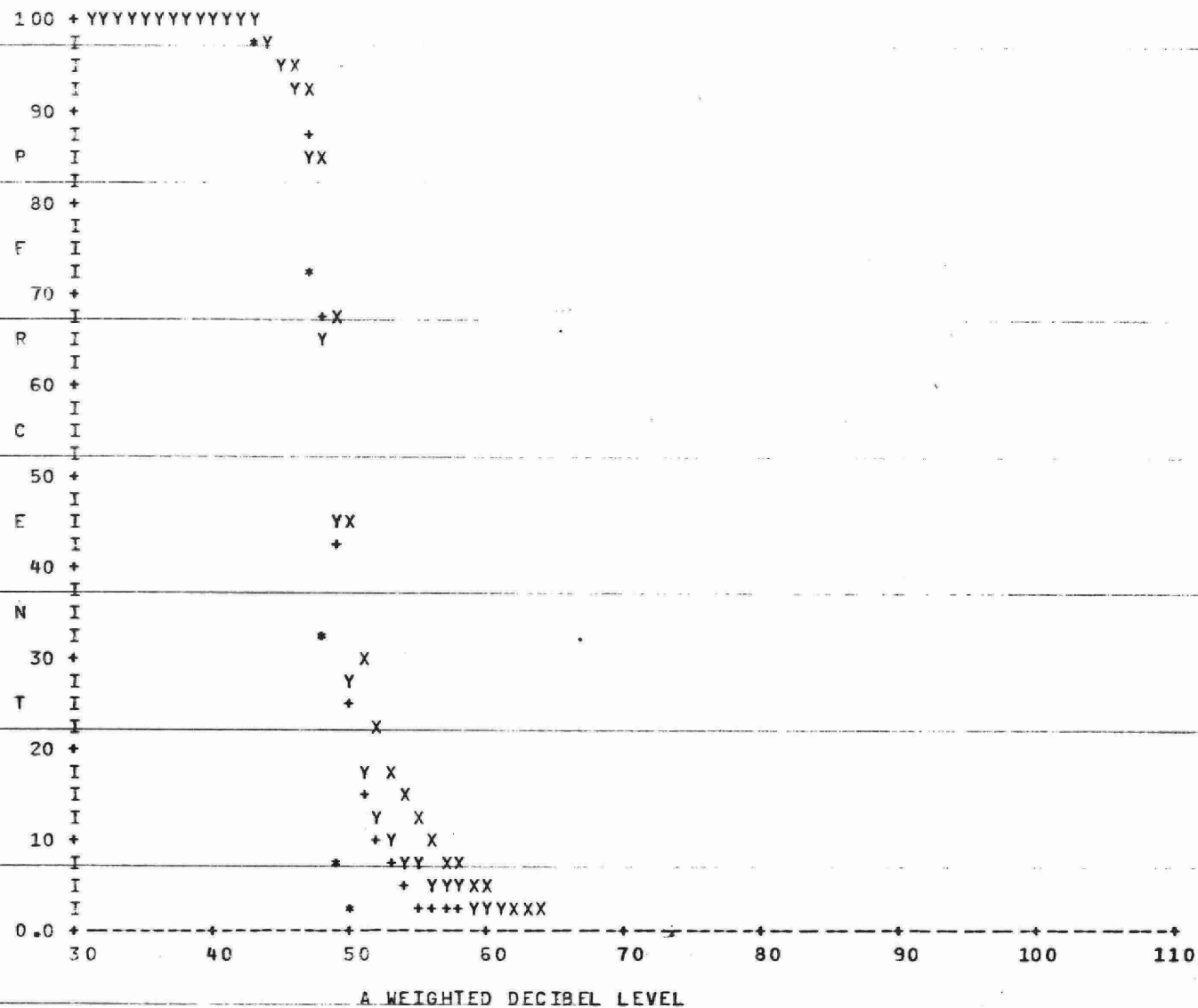
DATE AND LOCATION CODE 12A62



[illegible]

PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 12062

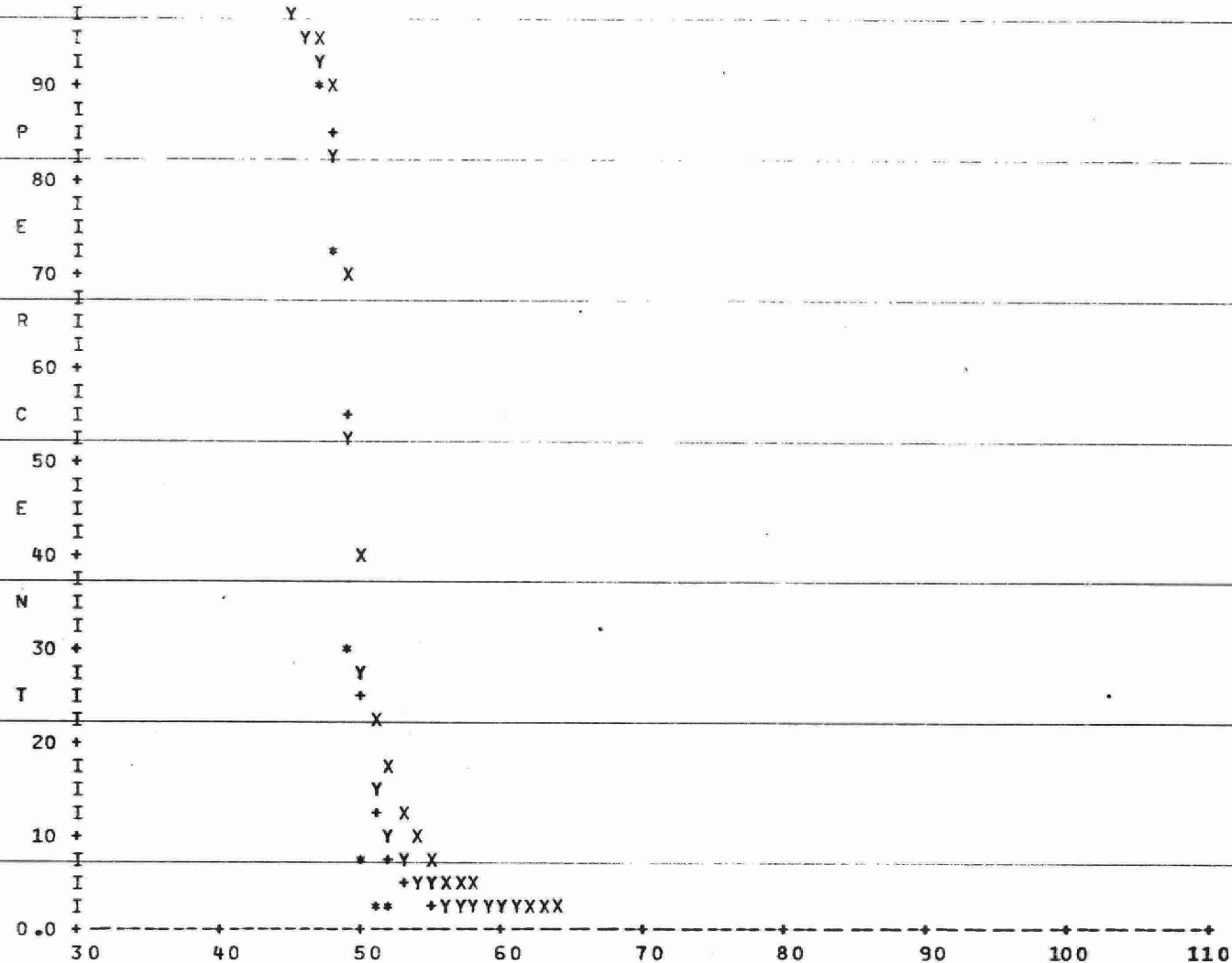


[illegible]

PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 12M62

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A WEIGHTED DECIBEL LEVEL

[illegible]

DATE AND LOCATION CODE 13FG2

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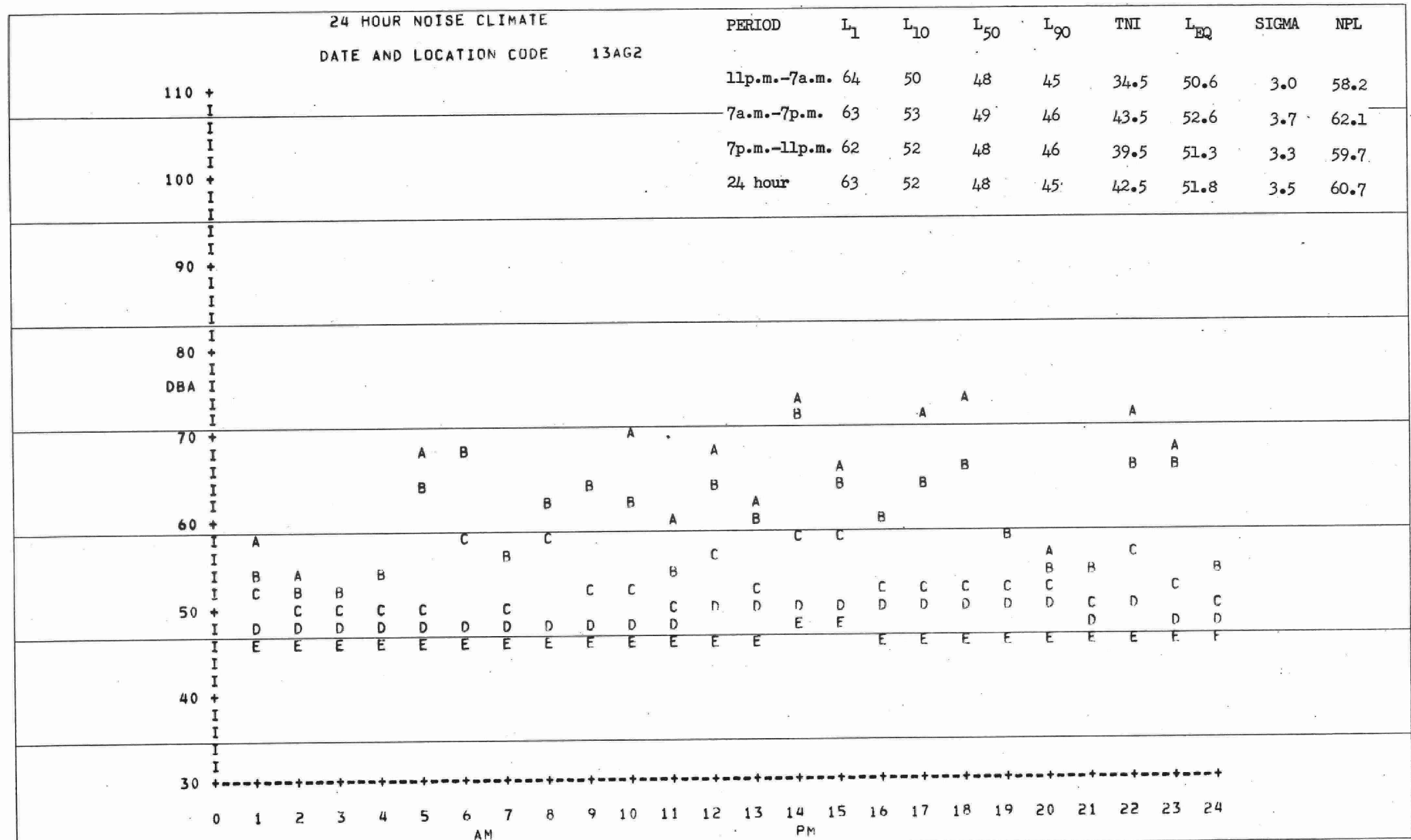
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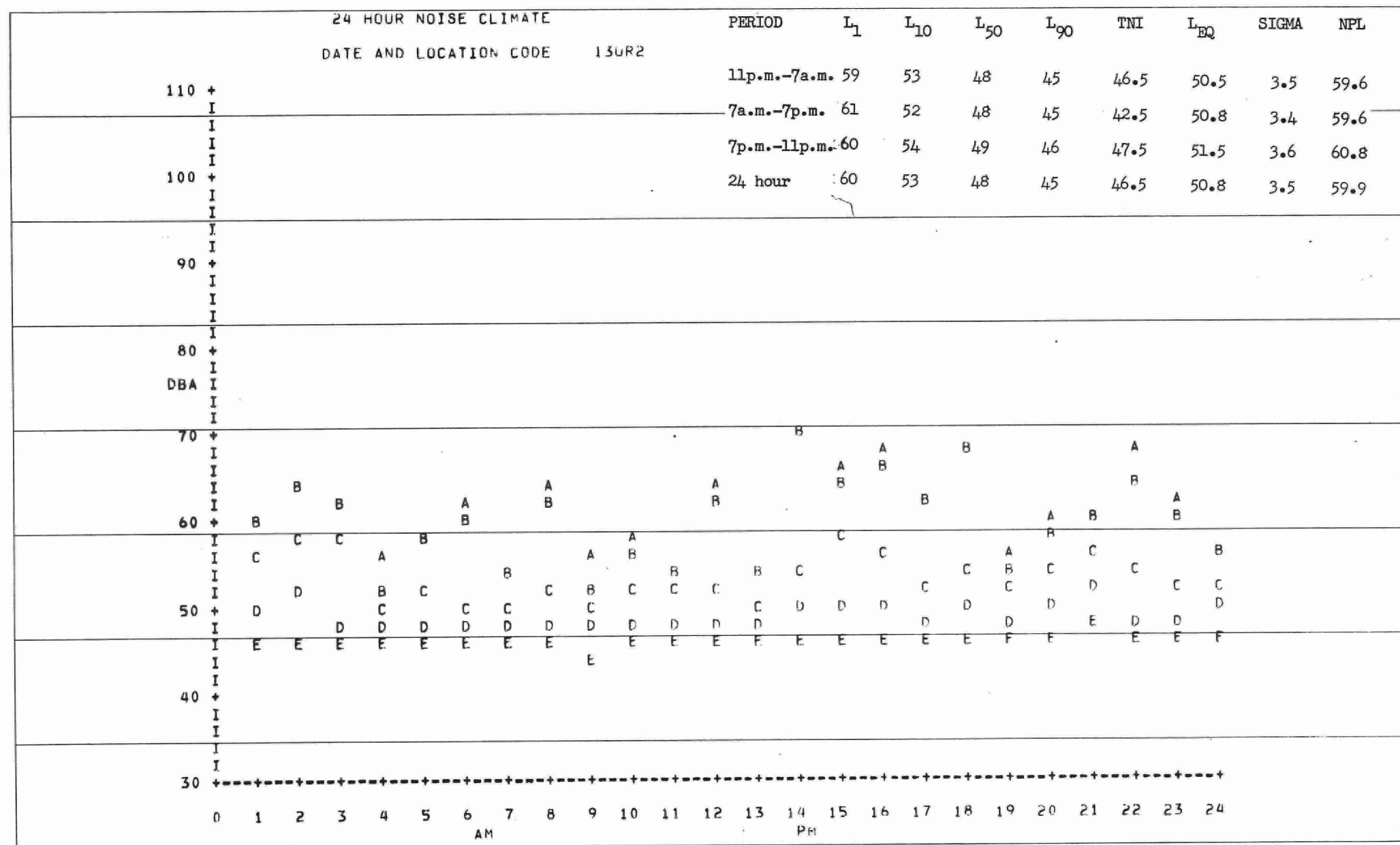
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A WEIGHTED DECIBEL LEVEL

Community Description: site 13, residential; modern single family detached homes in residential area; Highway 63, a heavily travelled arterial, 100' to South; Trout Lake and float plane base 650' to South-West; Ontario Northland Railway tracks 1200' to North-West.

Vehicular traffic sound from the highway dominates the sound environment, trains, boats, airplane flyovers and people sounds are the major intrusions. The monitor was located on a hydro pole at the intersection of Margaret Street and Delaney Street, both local streets, 30' above the road level.





HOUR OF DAY

DATE AND LOCATION CODE 130R2



24 HOUR NOISE CLIMATE

DATE AND LOCATION CODE 13MG2

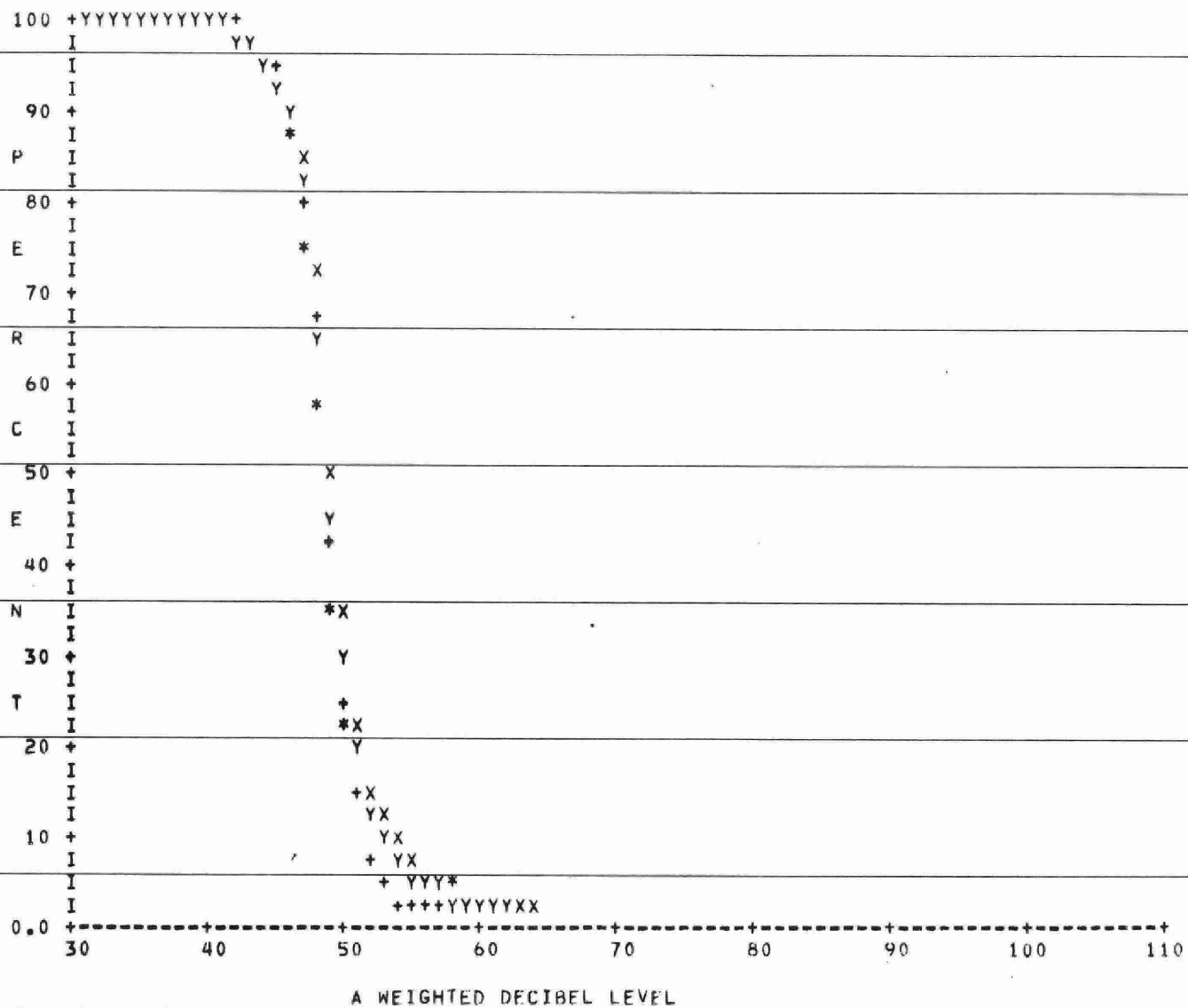
PERIOD L₁ L₁₀ L₅₀ L₉₀ TNI L_{EQ} SIGMA NPL

110 +	11p.m.-7a.m. 63	53	49	46	43.5	52.0	3.6	61.4
I	7a.m.-7p.m. 67	54	49	47	44.5	54.8	4.1	65.2
I	7p.m.-11p.m. 58	52	49	47	36.5	51.1	2.8	58.3
100 +	24 hour 64	53	49	46	43.5	53.6	3.8	63.2
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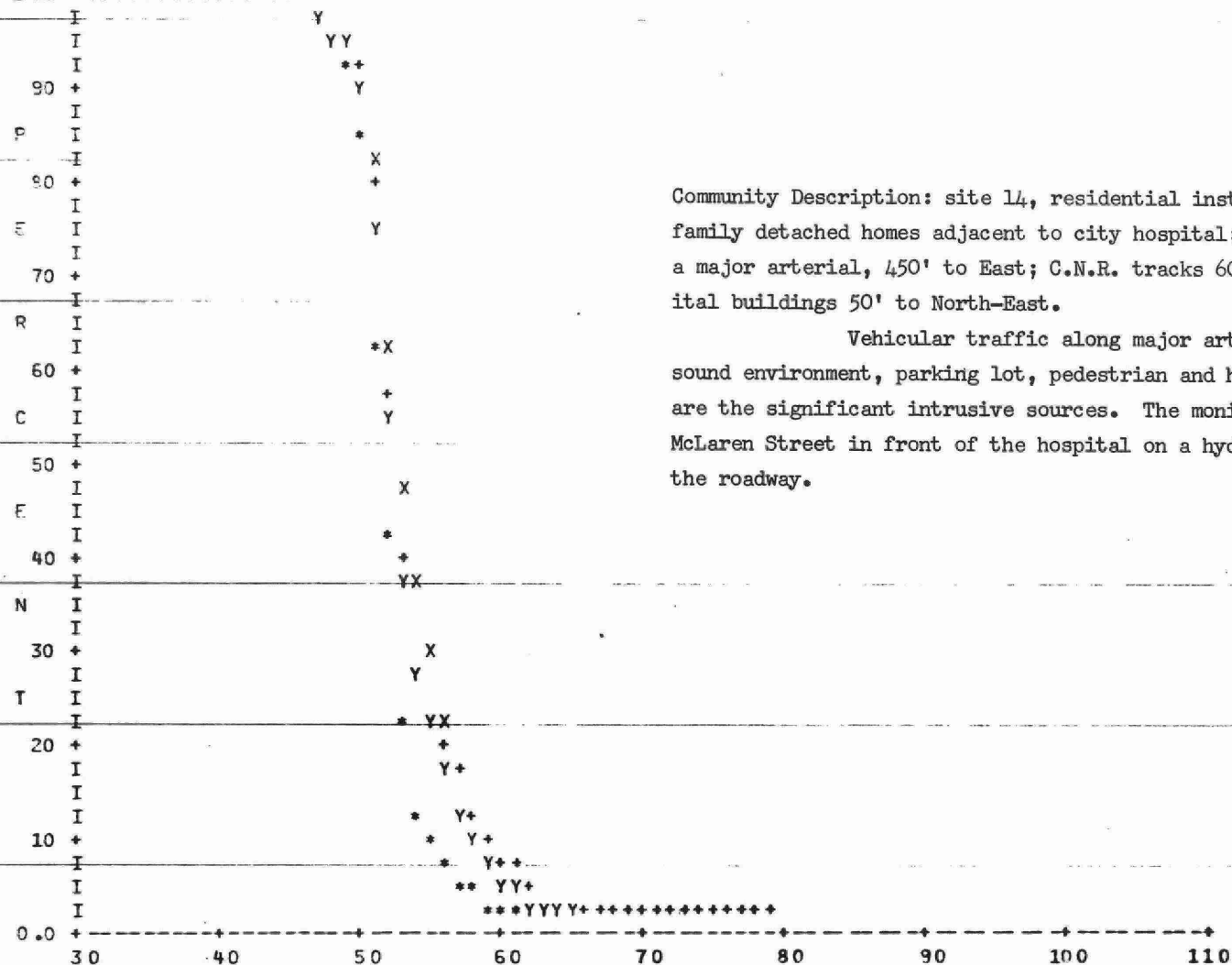
DATE AND LOCATION CODE 13MG2



[illegible]

DATE AND LOCATION CODE 14FG1

100 + YYYYYYYYYYYYYYYY



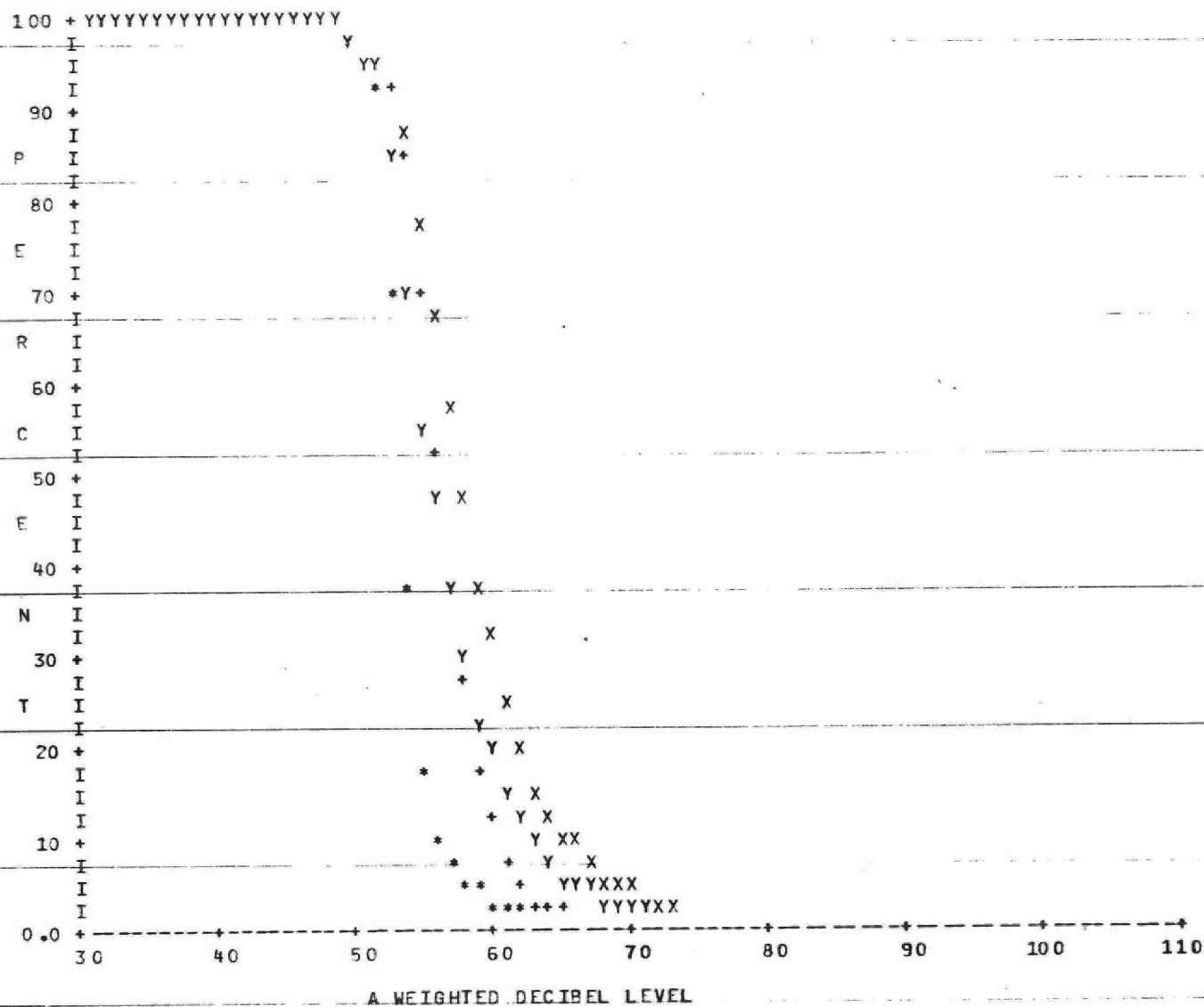
Community Description: site 14, residential institutional; single family detached homes adjacent to city hospital; Algonquin Avenue, a major arterial, 450' to East; C.N.R. tracks 60' to South; hospital buildings 50' to North-East.

Vehicular traffic along major arterials dominates the sound environment, parking lot, pedestrian and hospital activities are the significant intrusive sources. The monitor was located on McLaren Street in front of the hospital on a hydro pole 15' above the roadway.

A WEIGHTED DECIBEL LEVEL

PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 14AG1



24 HOUR NOISE CLIMATE		PERIOD	L ₁	L ₁₀	L ₅₀	L ₉₀	TNI	L _{EQ}	SIGMA	NPL
DATE AND LOCATION CODE										
14UR1										
		11p.m.-7a.m.	67	58	52	50	51.5	55.8	3.9	65.7
		7a.m.-7p.m.	72	64	55	51	72.5	60.9	5.3	74.5
		7p.m.-11p.m.	62	58	52	50	51.5	55.0	3.4	63.8
		24 hour	70	61	53	50	63.5	59.0	4.9	71.6

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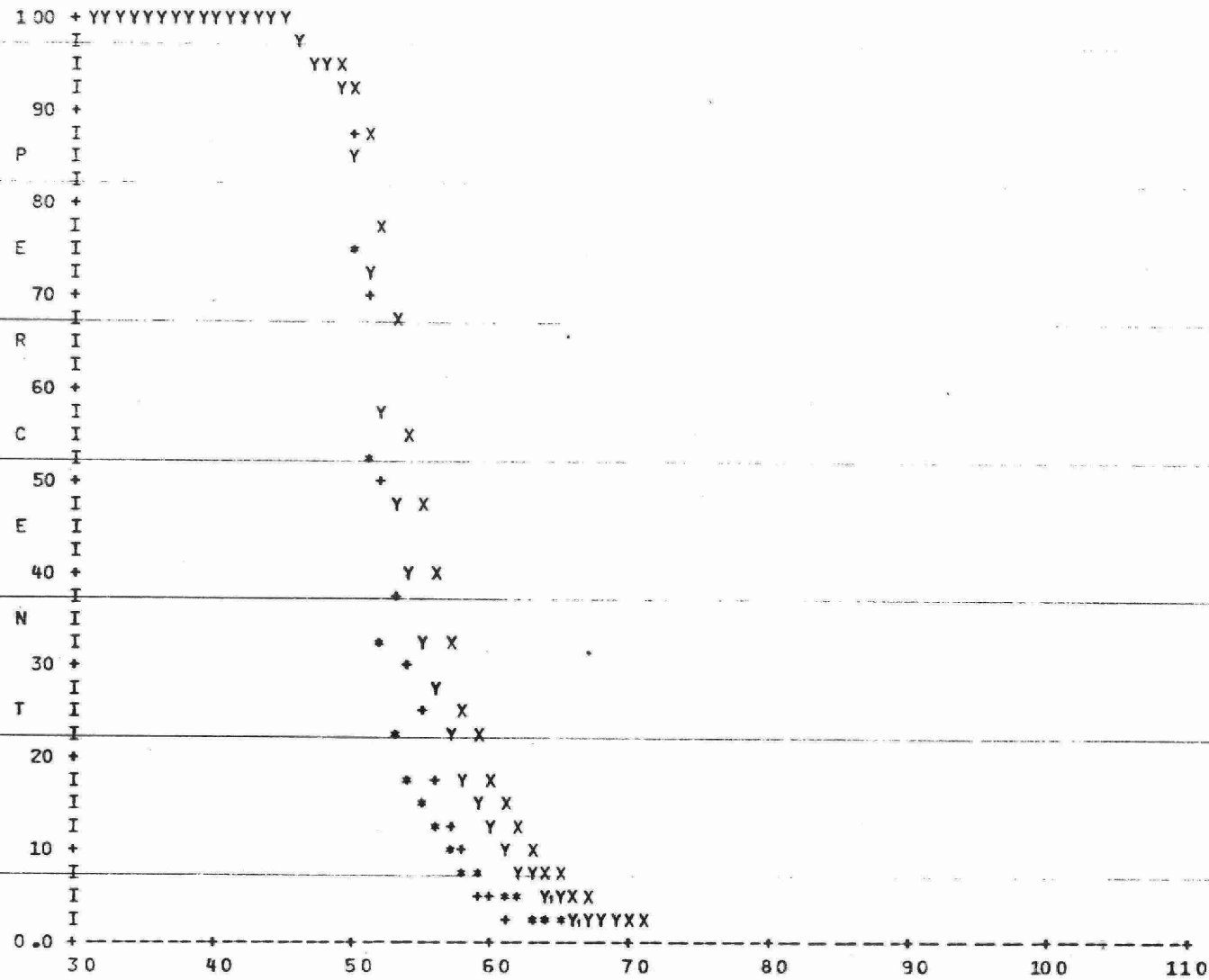
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PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 14UR1

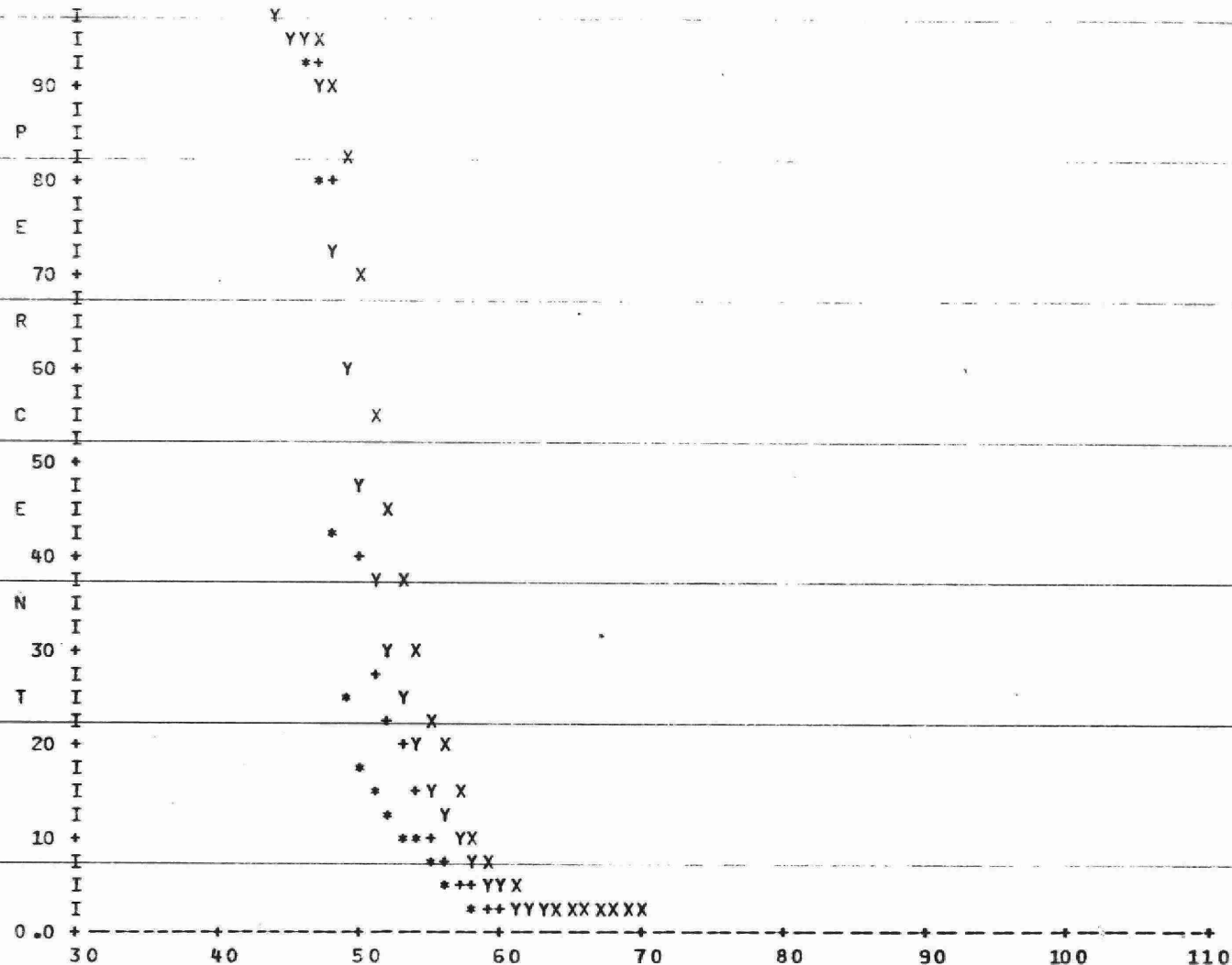


[illegible]

PERCENTAGE TIME DSA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 14M61

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A WEIGHTED DECIBEL LEVEL

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PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 15AW1

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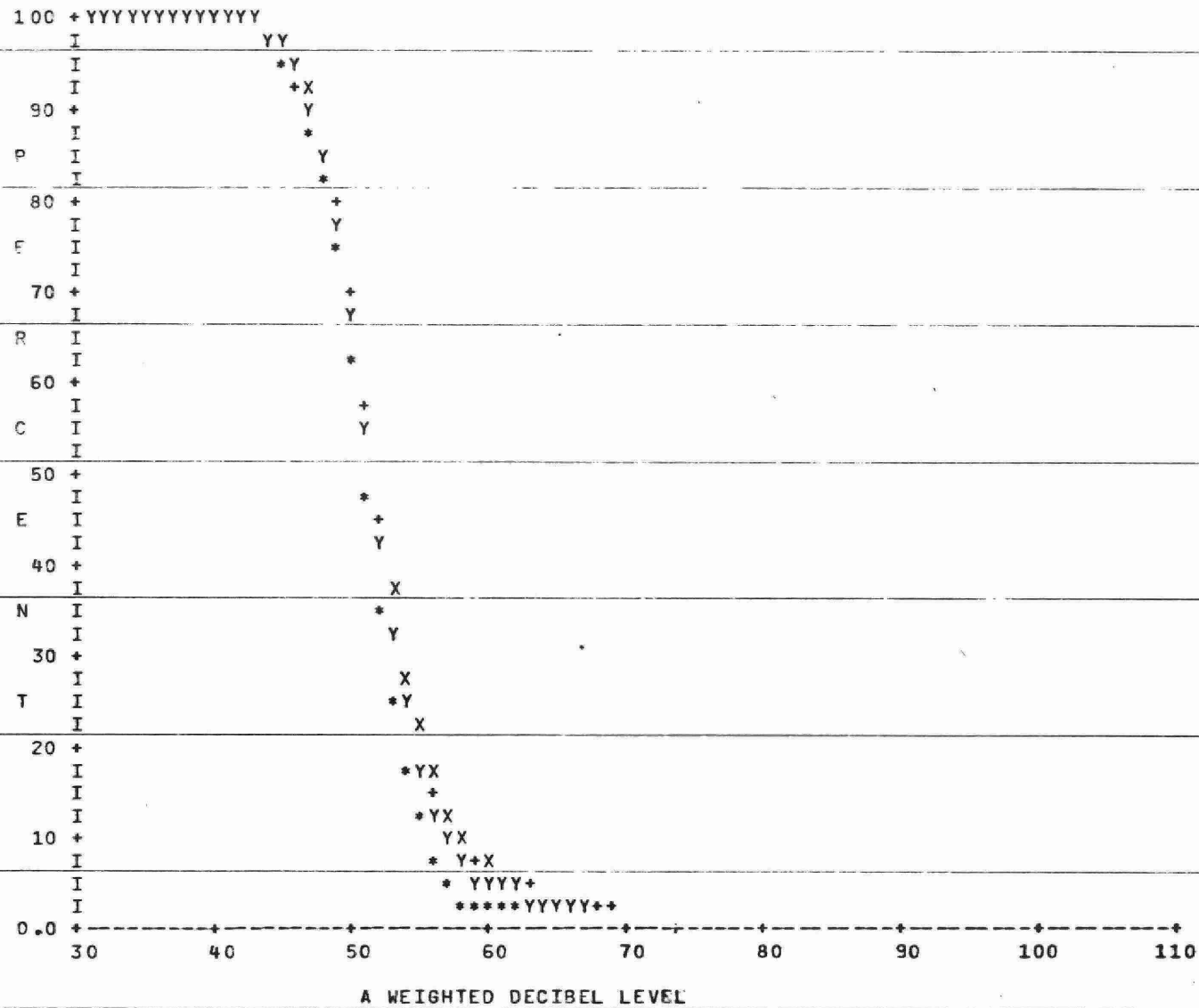
A WEIGHTED DECIBEL LEVEL

Community Description: site 15, residential industrial; older single family homes located in an industrial manufacturing area; Highway 17 & 11, heavily used arterials, 450' to East; Ontario Northland Railway tracks 50' to North-West; several industrial and manufacturing establishments in the immediate vicinity.

Vehicular traffic from freeway dominates the sound environment, industrial noise from the plants is significant even during the night, trains are also noticeable. The monitor was situated on Depenser Avenue on a hydro pole 15' above the road level.

[illegible]

DATE AND LOCATION CODE 15UG1



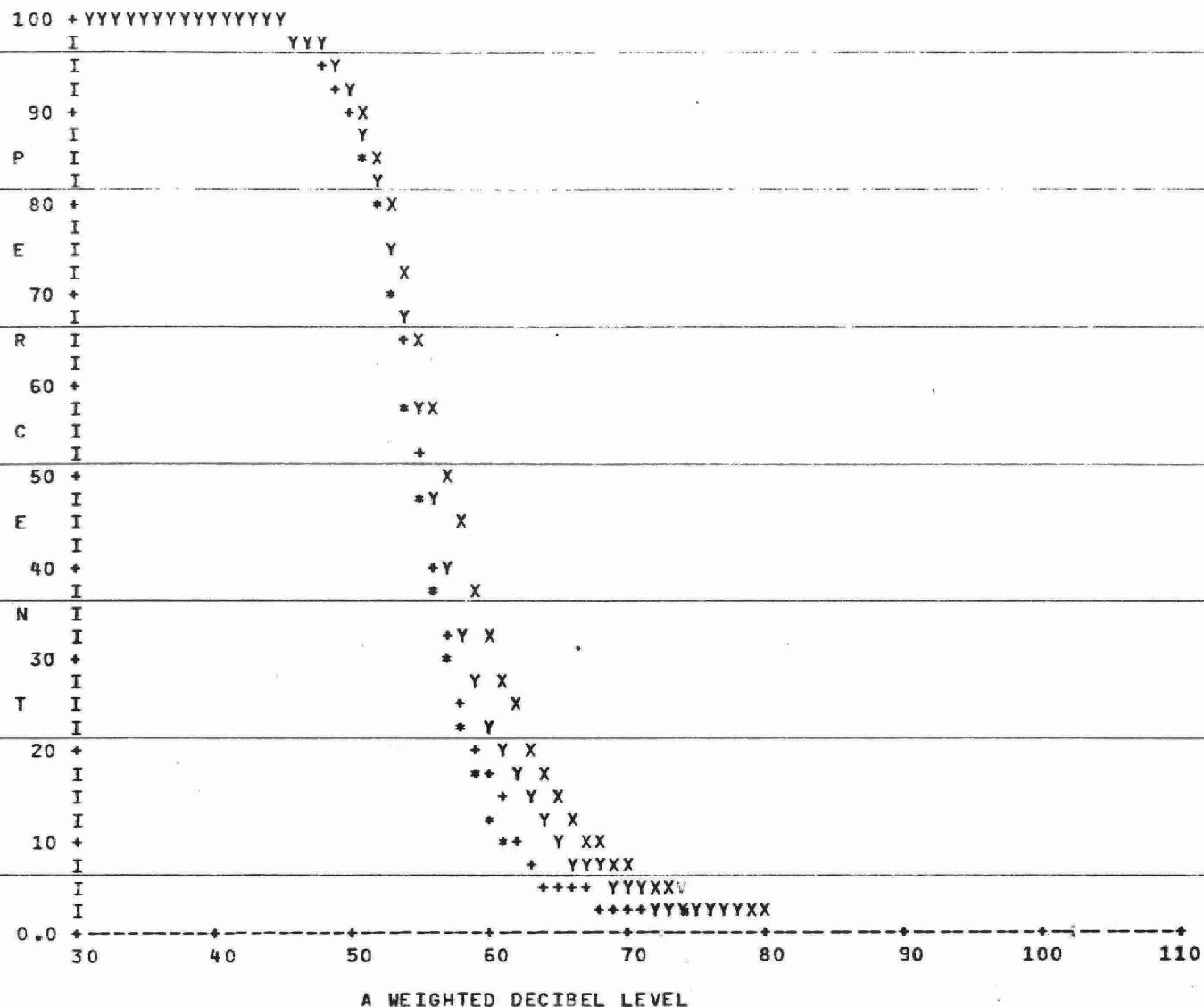
24 HOUR NOISE CLIMATE					PERIOD	L ₁	L ₁₀	L ₅₀	L ₉₀	TNI	L _{EQ}	SIGMA	NPL	
DATE AND LOCATION CODE					15MG1									
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						7a.m.-7p.m.	84	70	55	48	105.5	69.9	8.7	92.0
						7p.m.-11p.m.	71	60	51	47	68.5	58.0	5.6	72.3
						24 hour	80	66	52	47	92.5	67.1	7.8	87.2
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24 HOUR NOISE CLIMATE		PERIOD	L ₁	L ₁₀	L ₅₀	L ₉₀	TNI	L _{BQ}	SIGMA	NPL																									
DATE AND LOCATION CODE		15WG1																																	
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I		7a.m.-7p.m. 82	68	58	51	88.5	69.3	7.1	87.5																										
I		7p.m.-11p.m. 76	62	56	51	64.5	62.5	5.4	76.2																										
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PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 15W61



24 HOUR NOISE CLIMATE

DATE AND LOCATION CODE

16FG2

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 L_{EQ}

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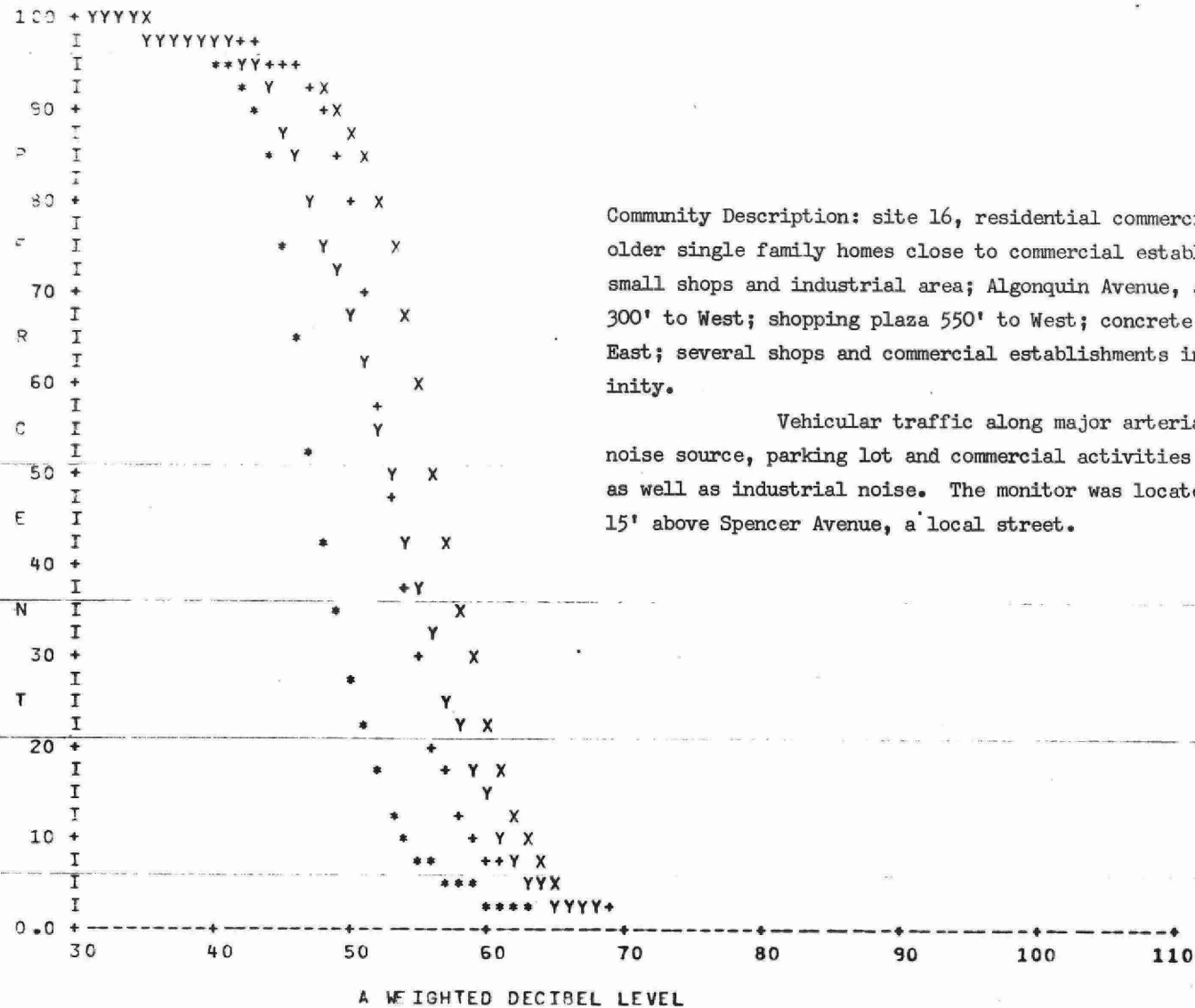
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HOUR OF DAY

DATE AND LOCATION CODE 16FG2

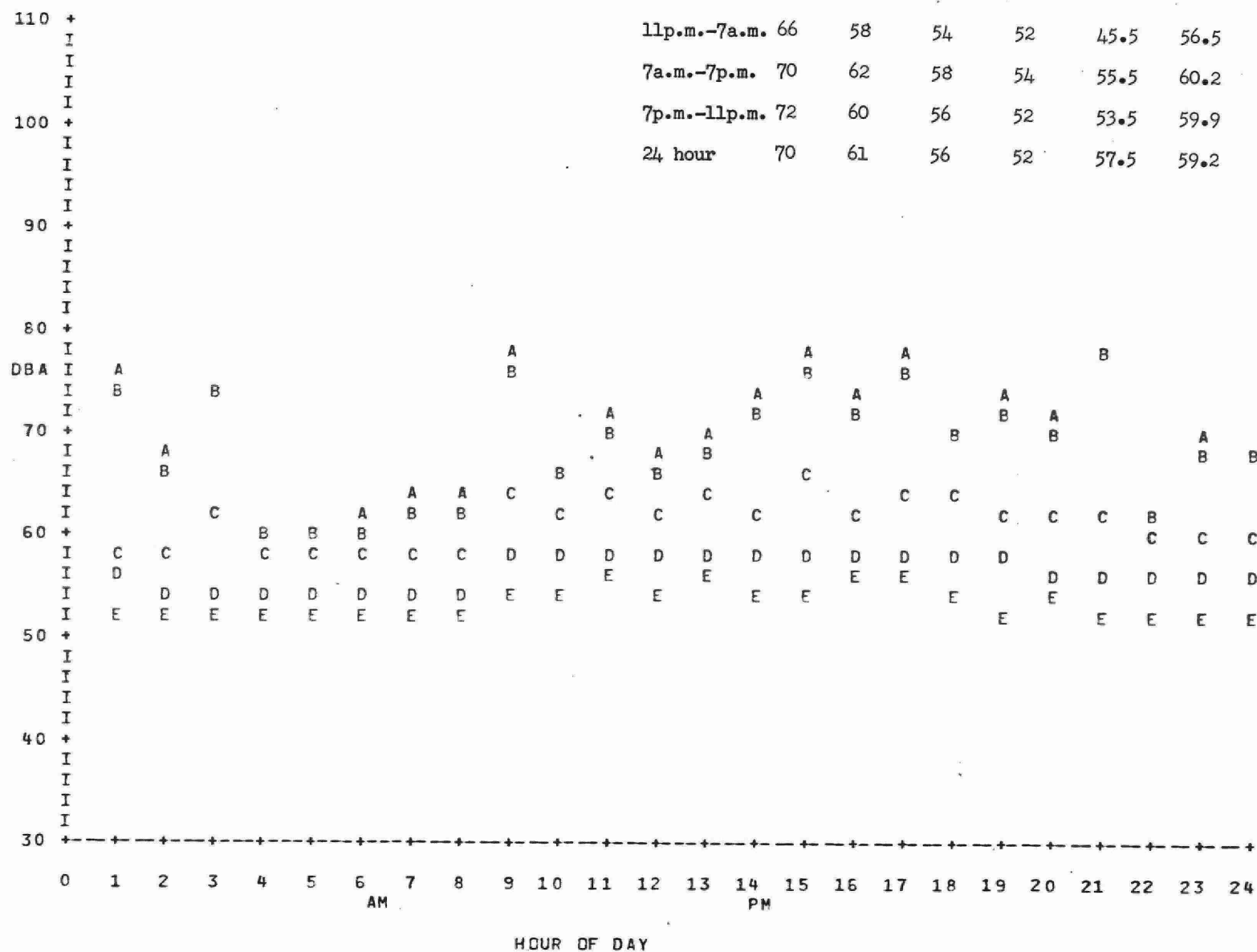


Community Description: site 16, residential commercial industrial; older single family homes close to commercial establishments and small shops and industrial area; Algonquin Avenue, a major arterial, 300' to West; shopping plaza 550' to West; concrete plant 50' to East; several shops and commercial establishments in immediate vicinity.

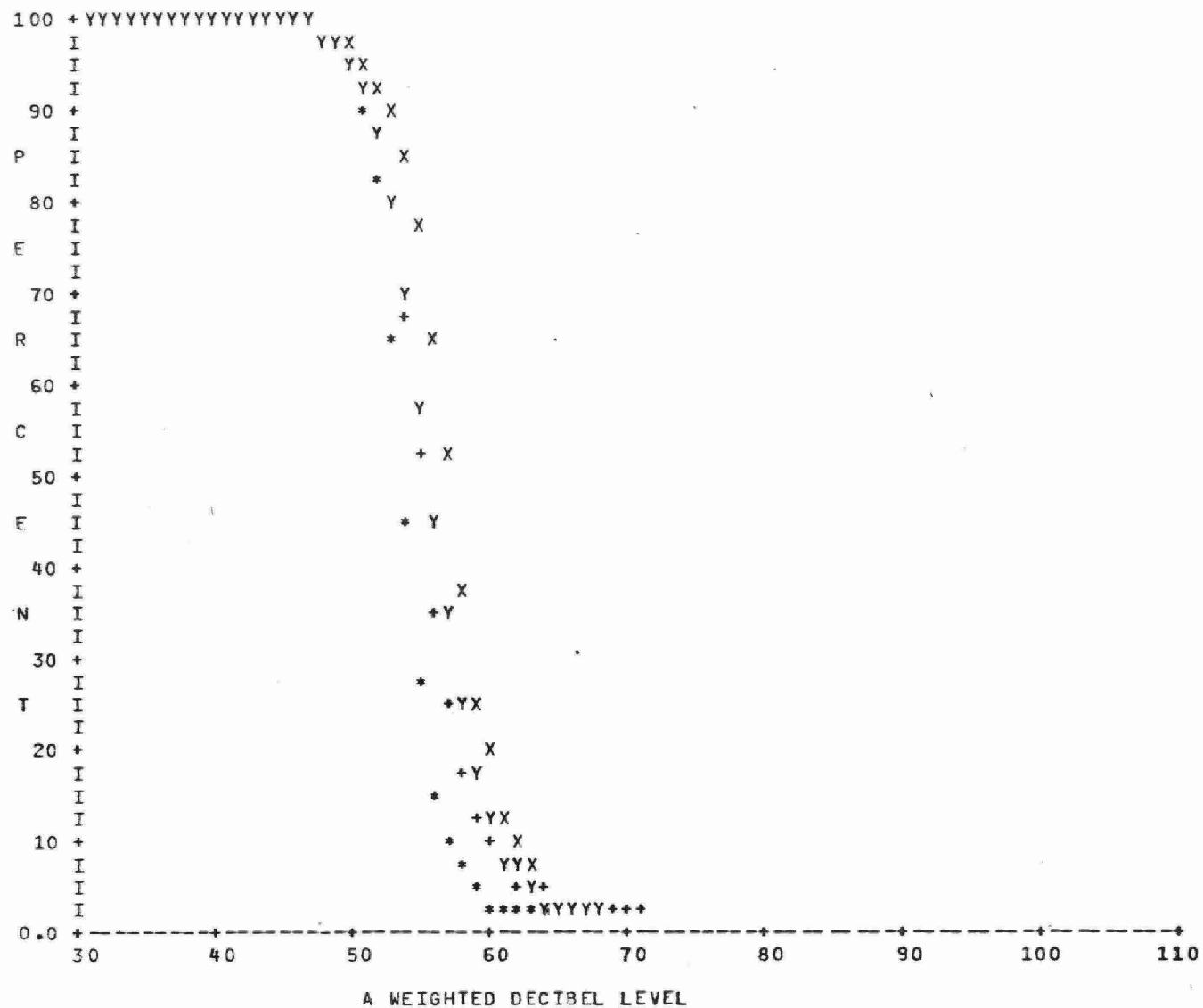
Vehicular traffic along major arterial is the dominant noise source, parking lot and commercial activities are significant as well as industrial noise. The monitor was located on a hydro pole 15' above Spencer Avenue, a local street.

DATE AND LOCATION CODE 16AG2

PERIOD	L_1	L_{10}	L_{50}	L_{90}	TNI	L_{EQ}	SIGMA	NPL
11p.m.-7a.m.	66	58	54	52	45.5	56.5	3.0	64.3
7a.m.-7p.m.	70	62	58	54	55.5	60.2	3.9	70.2
7p.m.-11p.m.	72	60	56	52	53.5	59.9	4.2	70.5
24 hour	70	61	56	52	57.5	59.2	4.0	69.4



DATE AND LOCATION CODE 16AG2

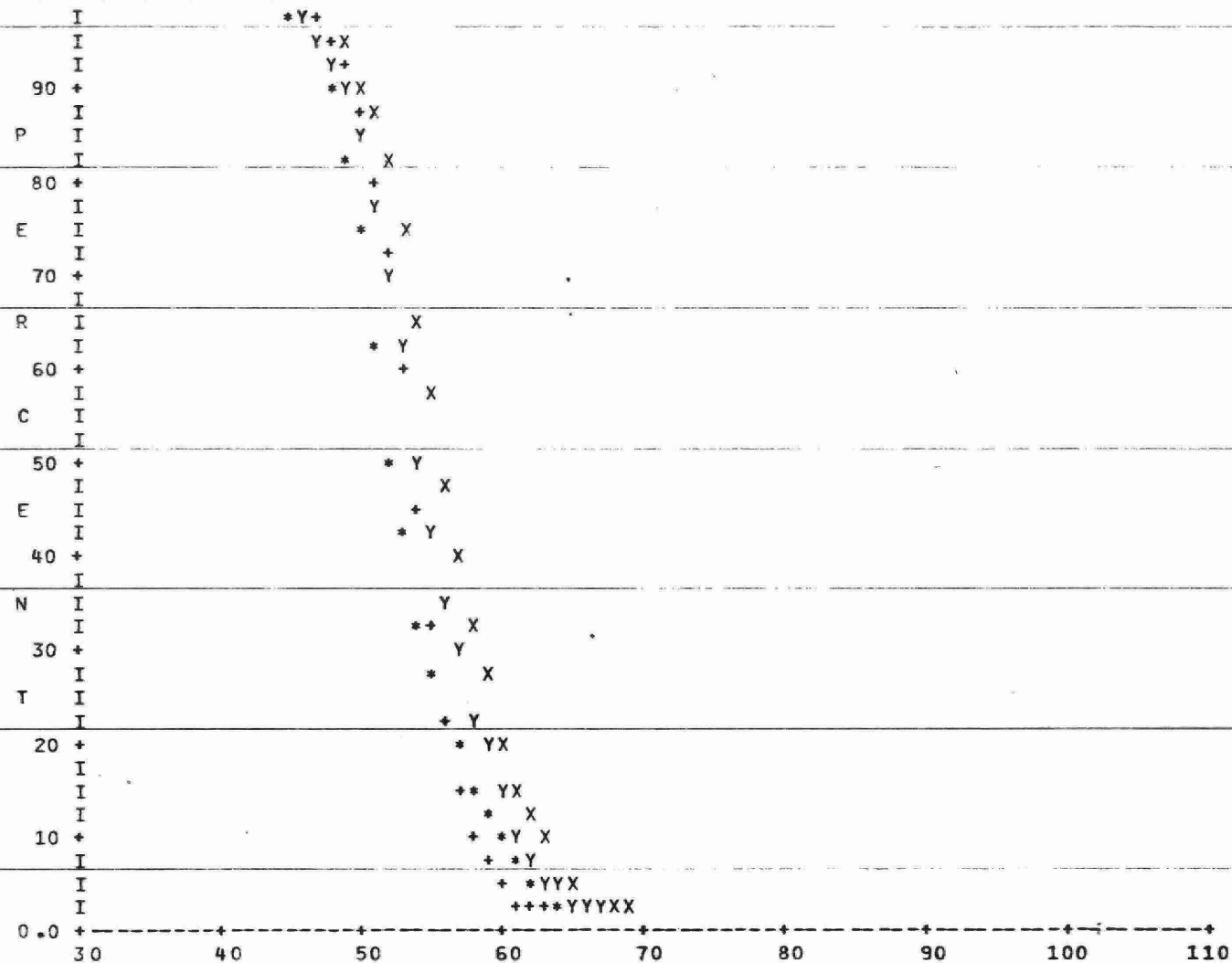


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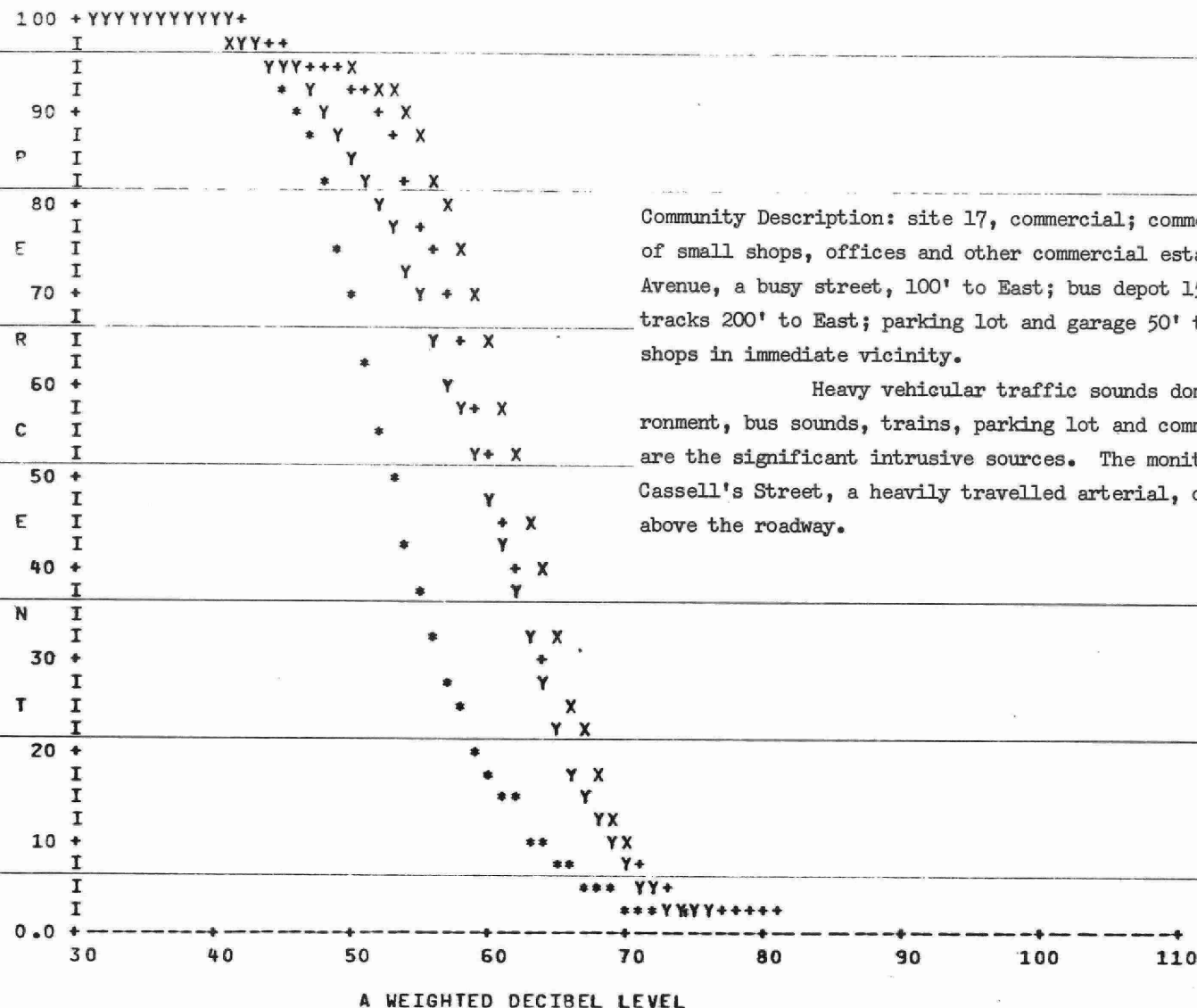
PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

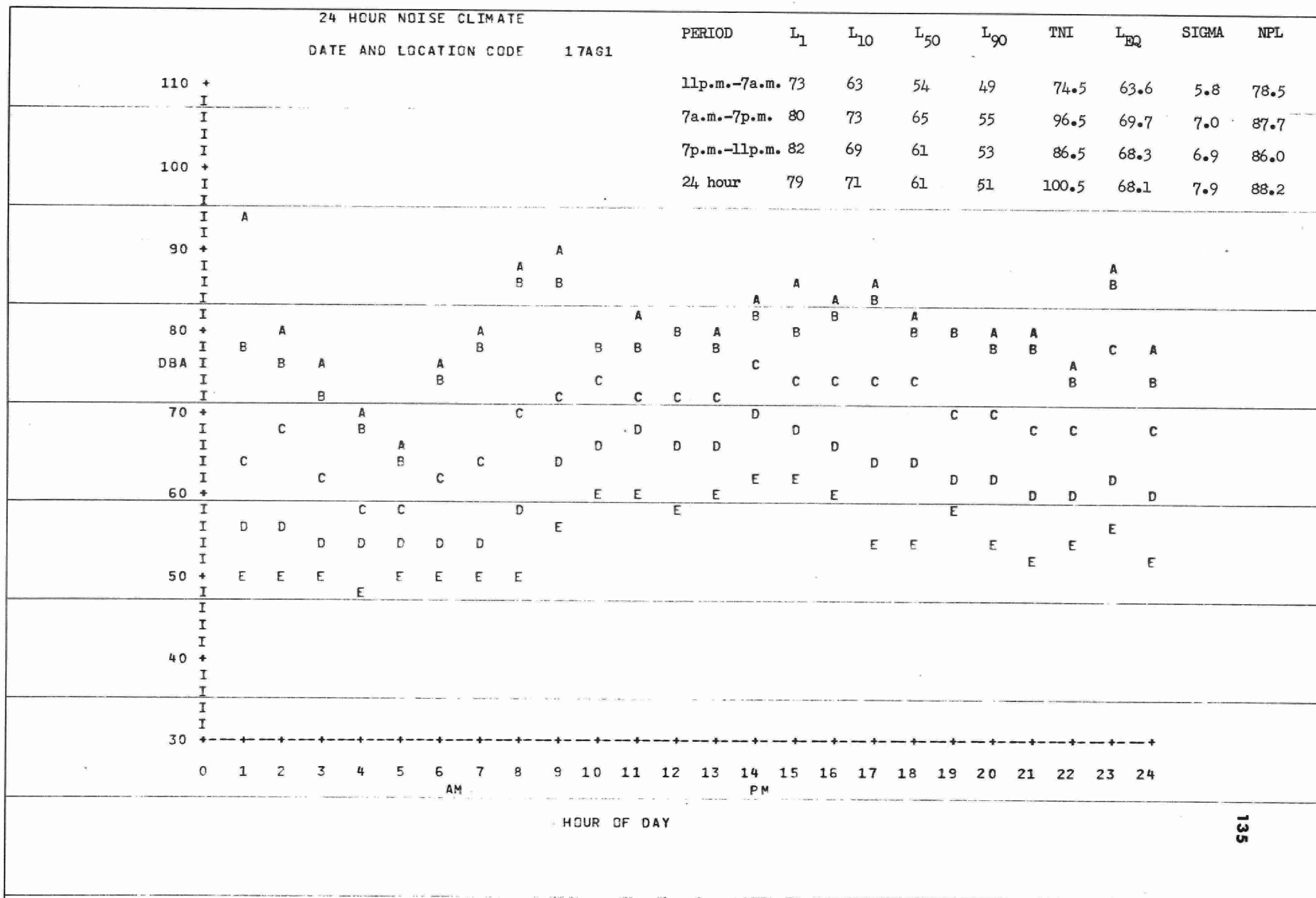
DATE AND LOCATION CODE 16M62

100 + YYYYYYYYYYYYYY

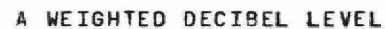


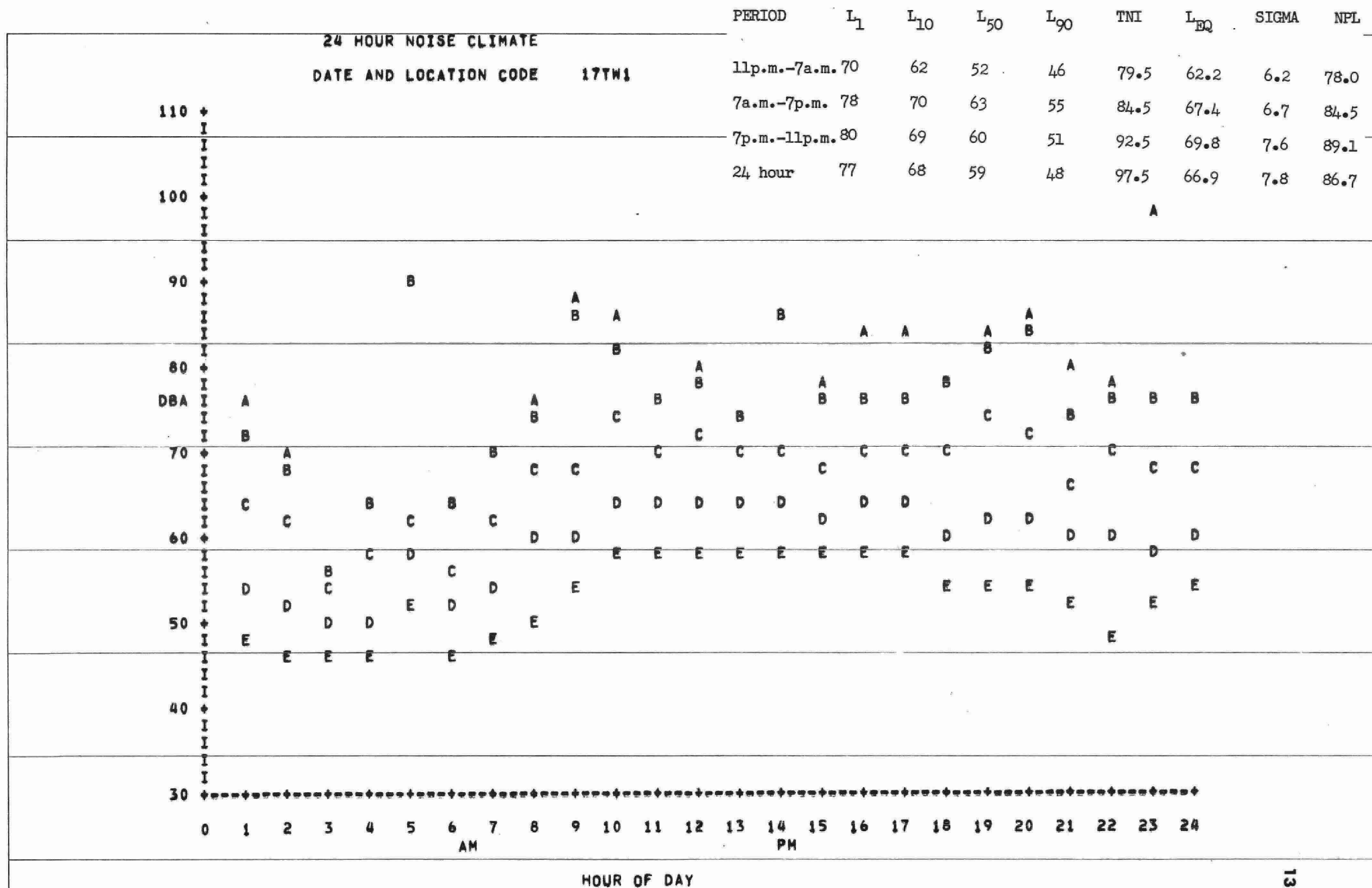
A WEIGHTED DECIBEL LEVEL





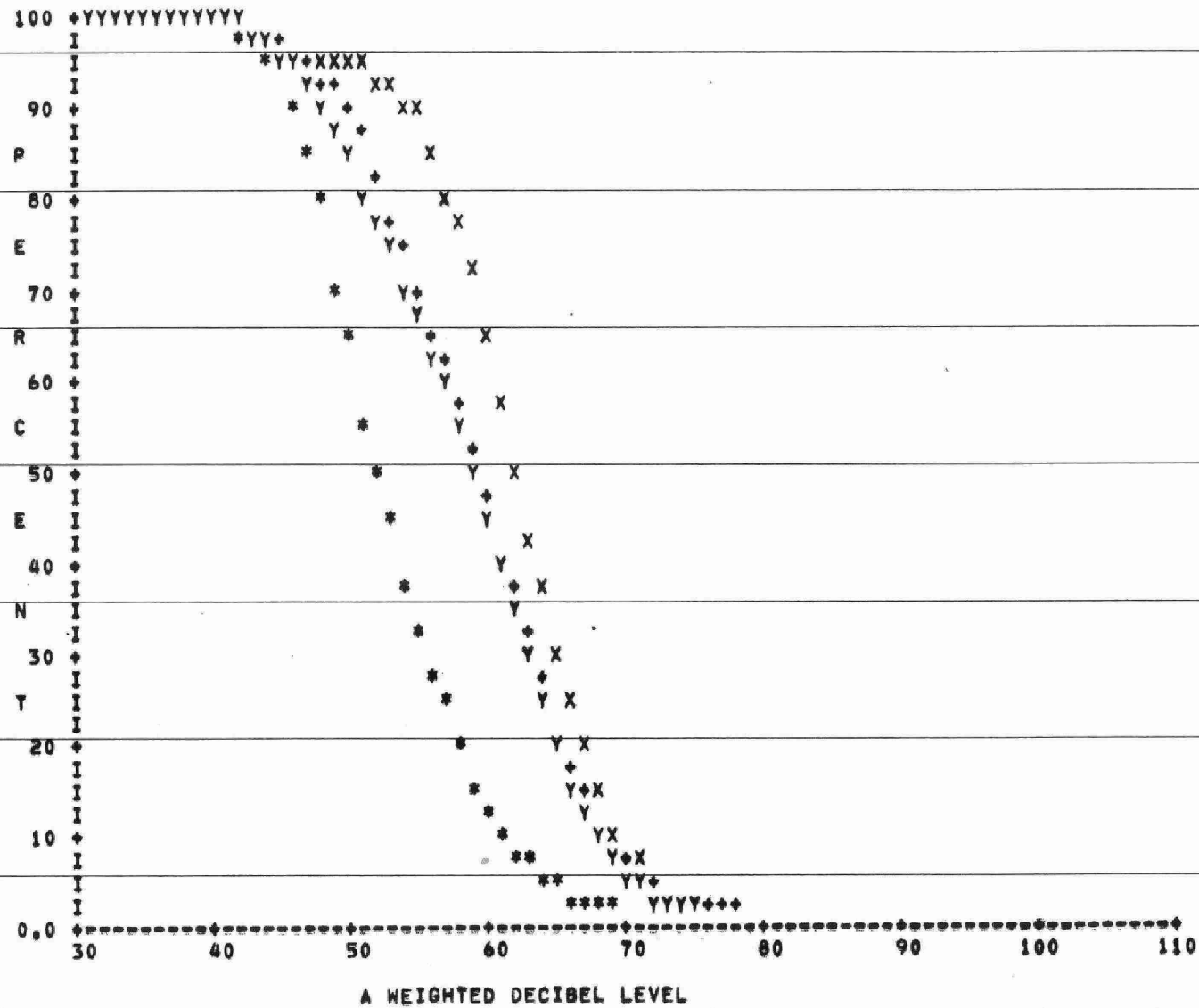
DATE AND LOCATION CODE 17AG1





PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 17TW1



DATE AND LOCATION CODE 18AG2

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70	+	1
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50	+	1
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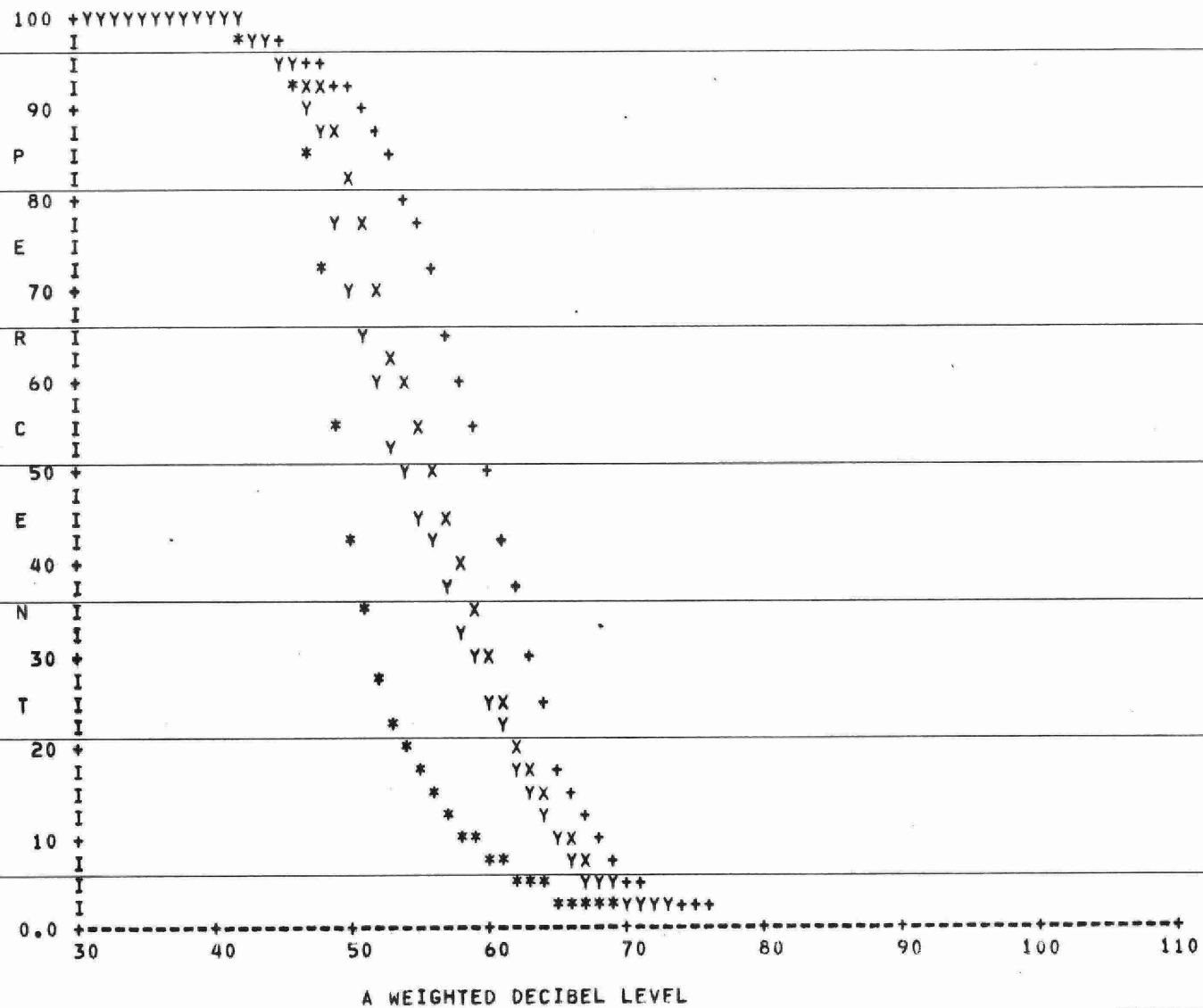
Vehicular traffic along along major arterials dominates, commercial activities and people sounds are major intrusions. The monitor was located on Main Street, a major downtown arterial, on a hydro pole 15' above the road level.

A WEIGHTED DECIBEL LEVEL

24 HOUR NOISE CLIMATE				PERIOD	L ₁	L ₁₀	L ₅₀	L ₉₀	TNI	L _{EQ}	SIGMA	NPL
DATE AND LOCATION CODE				18UG2								
110 + I I I I 100 + I I I I 90 + I I I I 80 + I I I I 70 + I I I I 60 + I I I I 50 + I I I I 40 + I I I I 30 +	DBA	11p.m.-7a.m.	72	59	50	47	64.5	58.8	5.6	73.1		
		7a.m.-7p.m.	74	66	56	49	86.5	62.9	6.9	80.6		
		7p.m.-11p.m.	78	68	60	52	85.5	66.1	6.9	83.8		
		24 hour	74	65	54	48	85.5	62.8	7.2	81.3		
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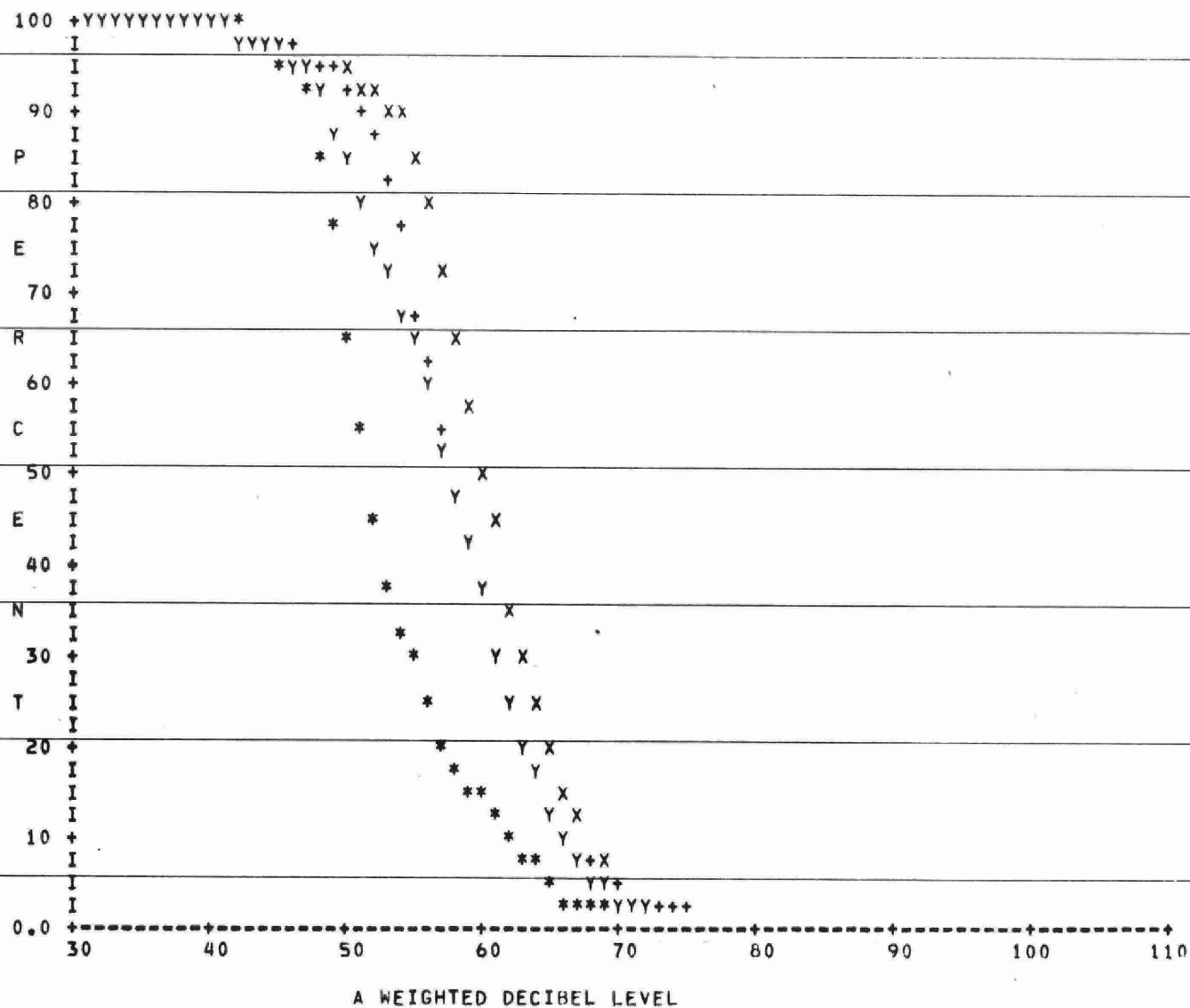
PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 18UG2



PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

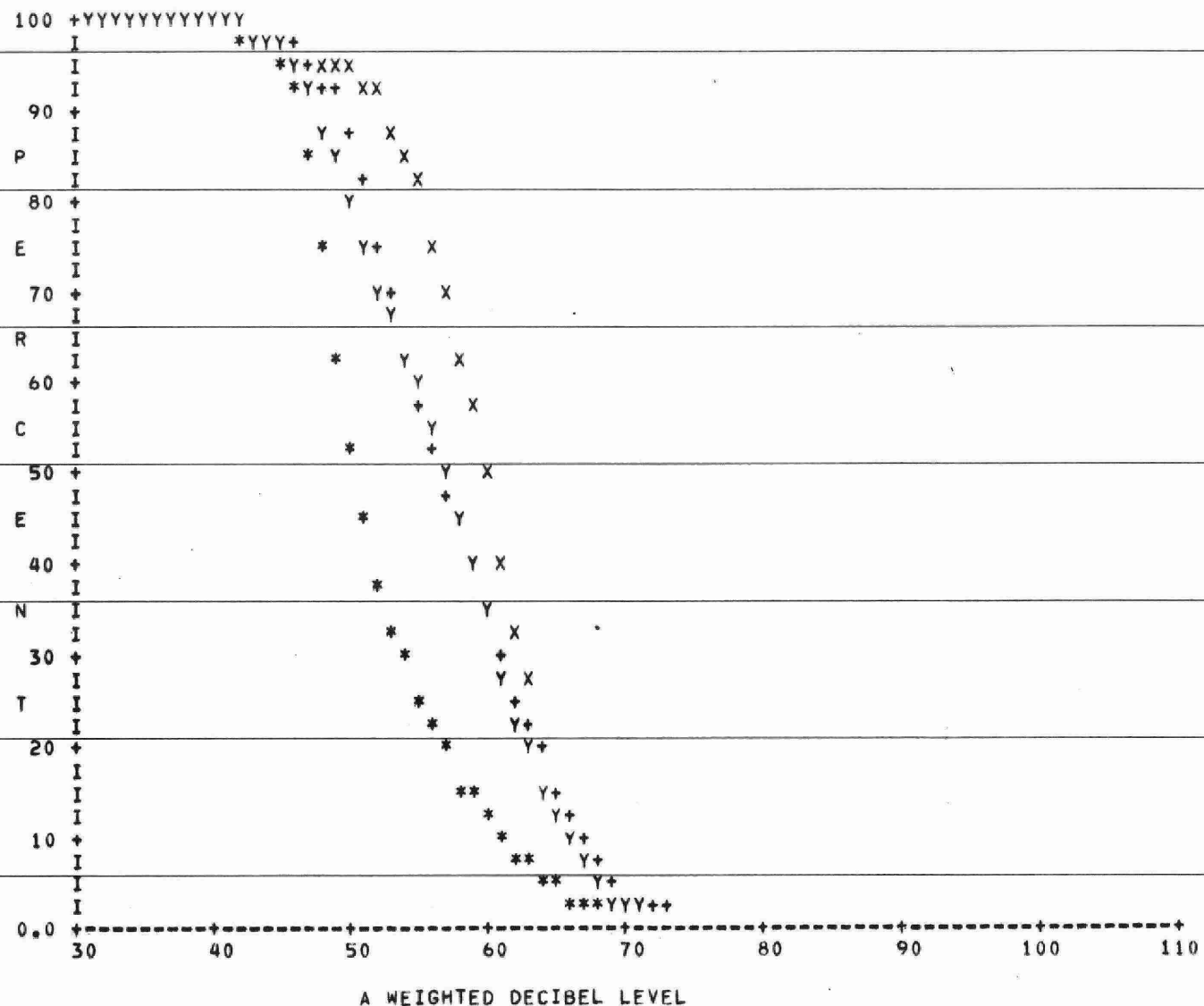
DATE AND LOCATION CODE 18MG2



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PERCENTAGE TIME DBA LEVEL EQUAILED OR EXCEEDED

DATE AND LOCATION CODE 18TG2



24 HOUR NOISE CLIMATE

DATE AND LOCATION CODE 19F01

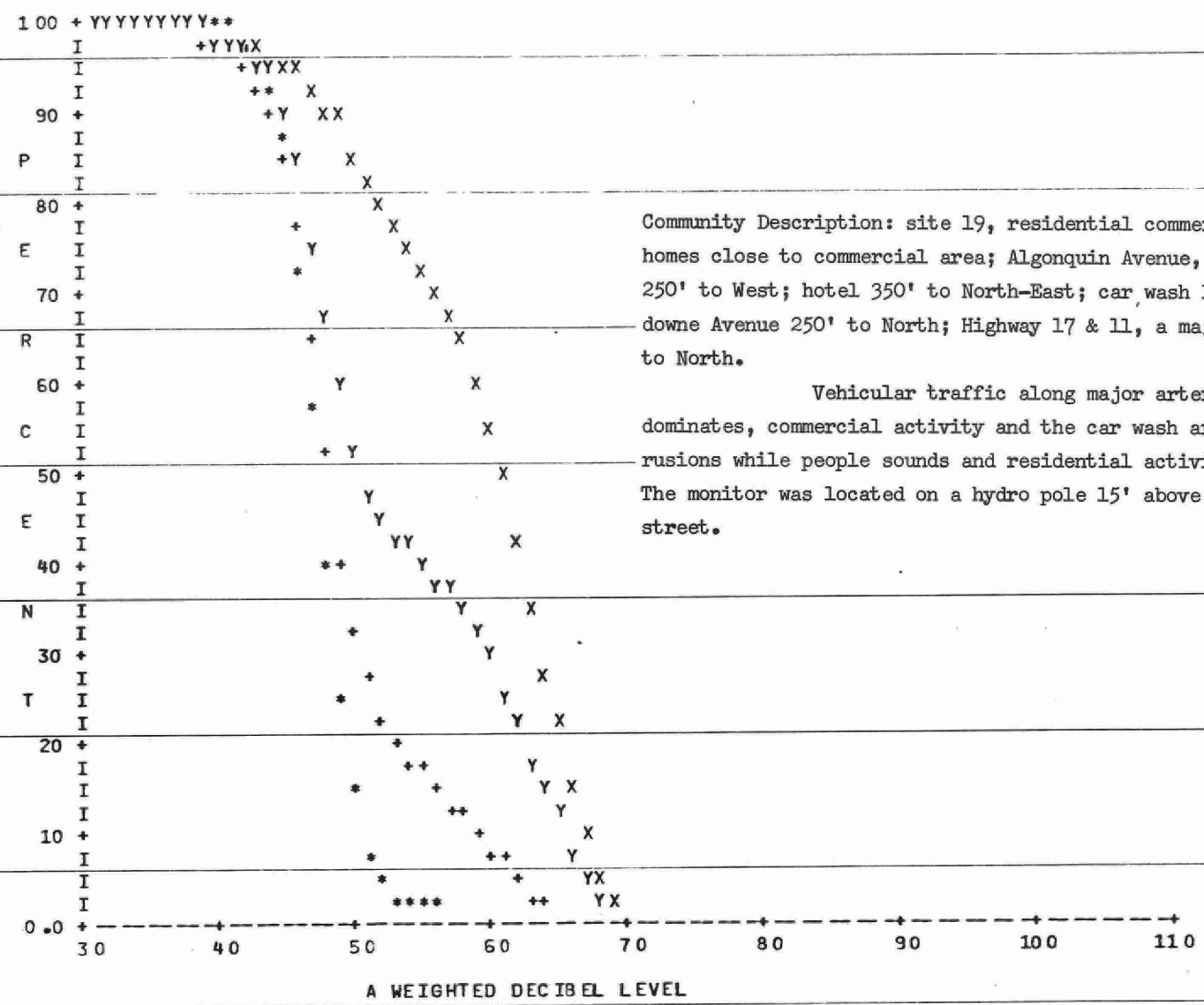
PERIOD	L ₁	L ₁₀	L ₅₀	L ₉₀	TNI	L _{EQ}	SIGMA	NPL
11p.m.-7a.m.	58	51	48	45	38.5	52.6	3.1	60.5
7a.m.-7p.m.	70	67	61	49	90.5	63.4	7.4	
7p.m.-11p.m.	65	59	49	44	73.5	55.3	5.7	69.9
24 hour	70	66	61	46	95.5	60.9	8.1	

DBA	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 19F61



Community Description: site 19, residential commercial; single family homes close to commercial area; Algonquin Avenue, a major arterial, 250' to West; hotel 350' to North-East; car wash 100' to North; Lansdowne Avenue 250' to North; Highway 17 & 11, a major arterial, 1200' to North.

Vehicular traffic along major arterials and freeway dominates, commercial activity and the car wash are significant intrusions while people sounds and residential activities are noticeable. The monitor was located on a hydro pole 15' above Ann Street, a local street.

24 HOUR NOISE CLIMATE

DATE AND LOCATION CODE

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PERIOD

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7p.m.-11p.m. 66

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24 hour 72

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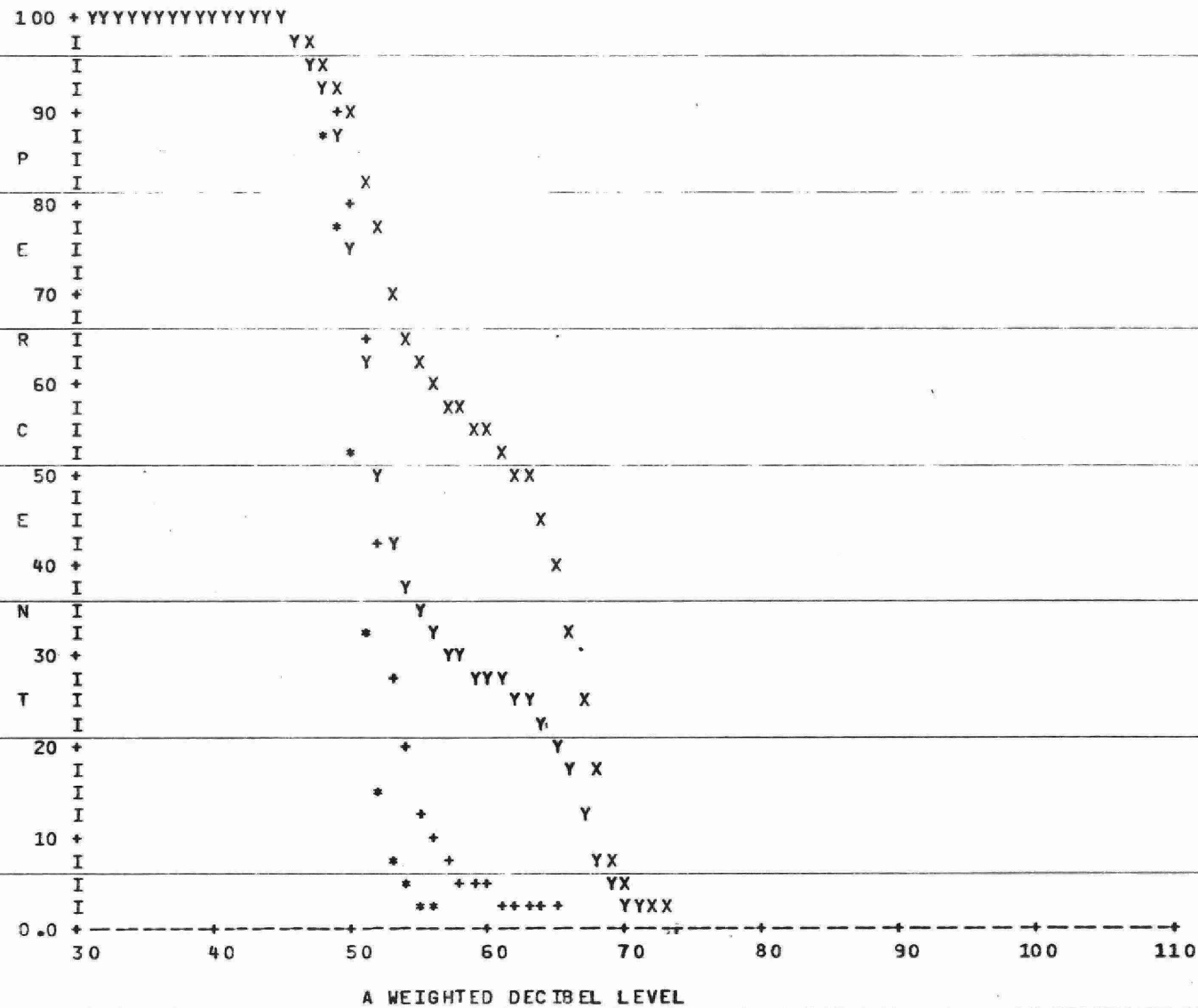
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

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HOUR OF DAY

DATE AND LOCATION CODE 19A61



24 HOUR NOISE CLIMATE

DATE AND LOCATION CODE

19UG1

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54.2

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24 hour 71

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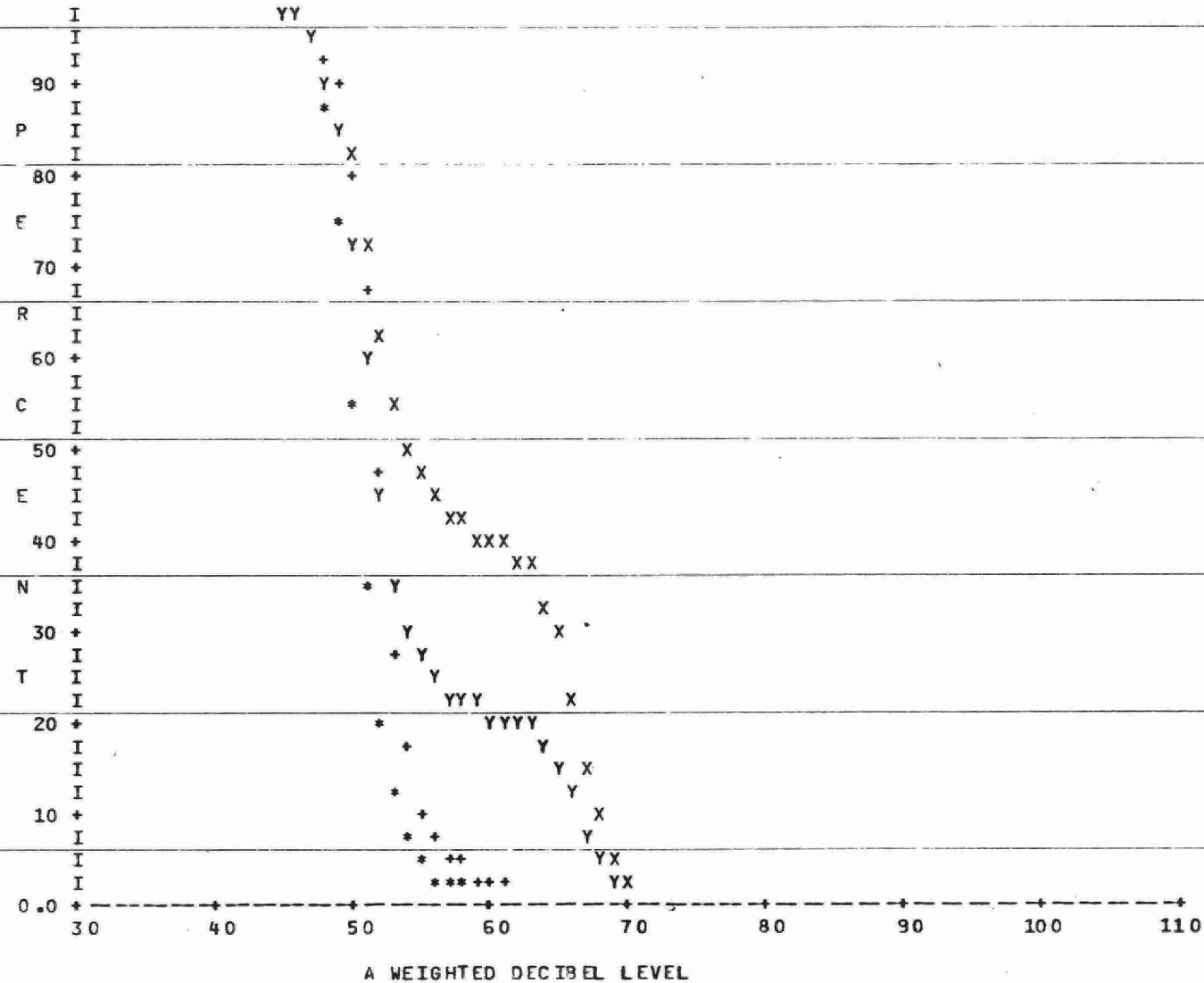
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PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

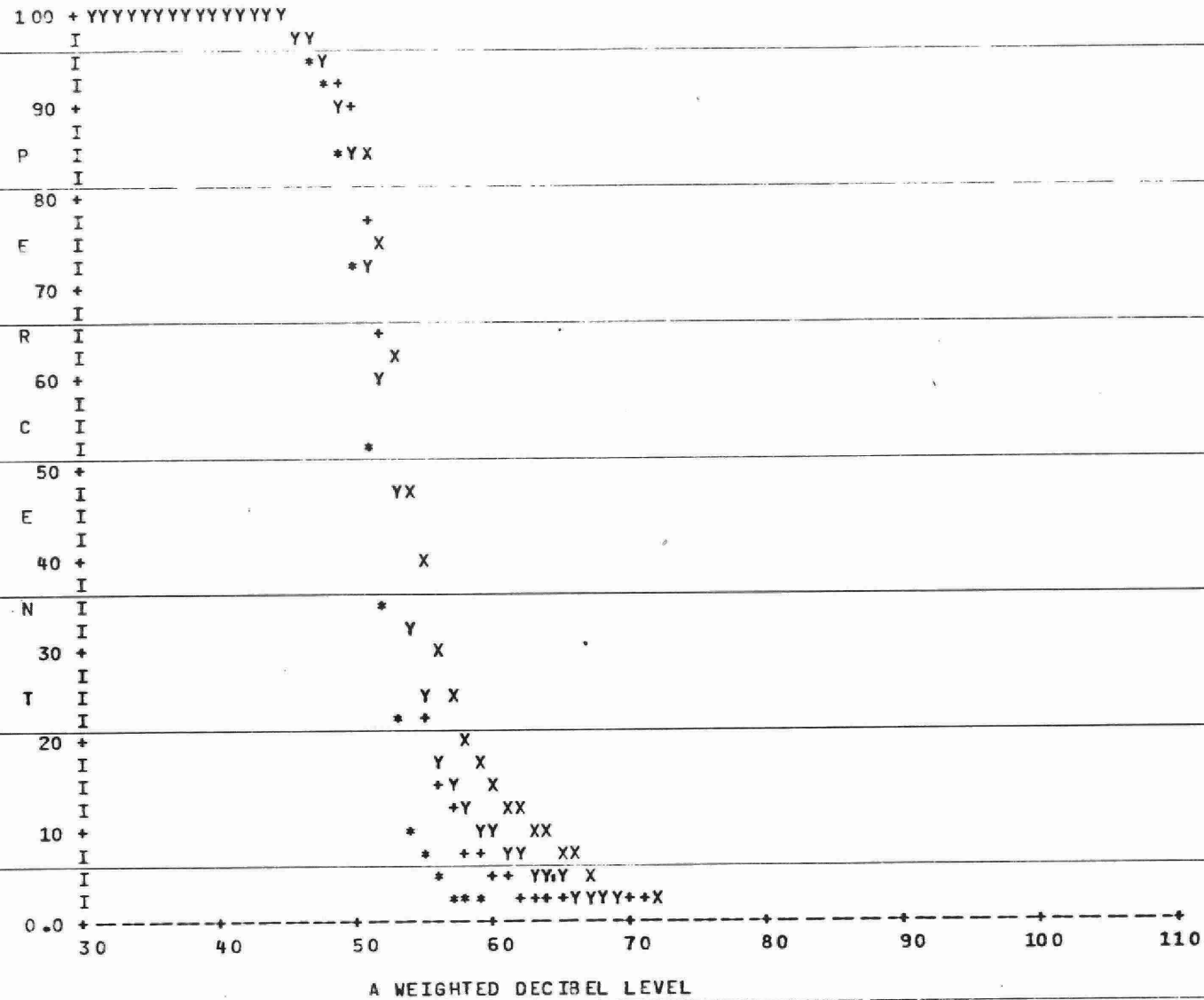
DATE AND LOCATION CODE 19UG1

100 + YYYYYYYYYYYYYY



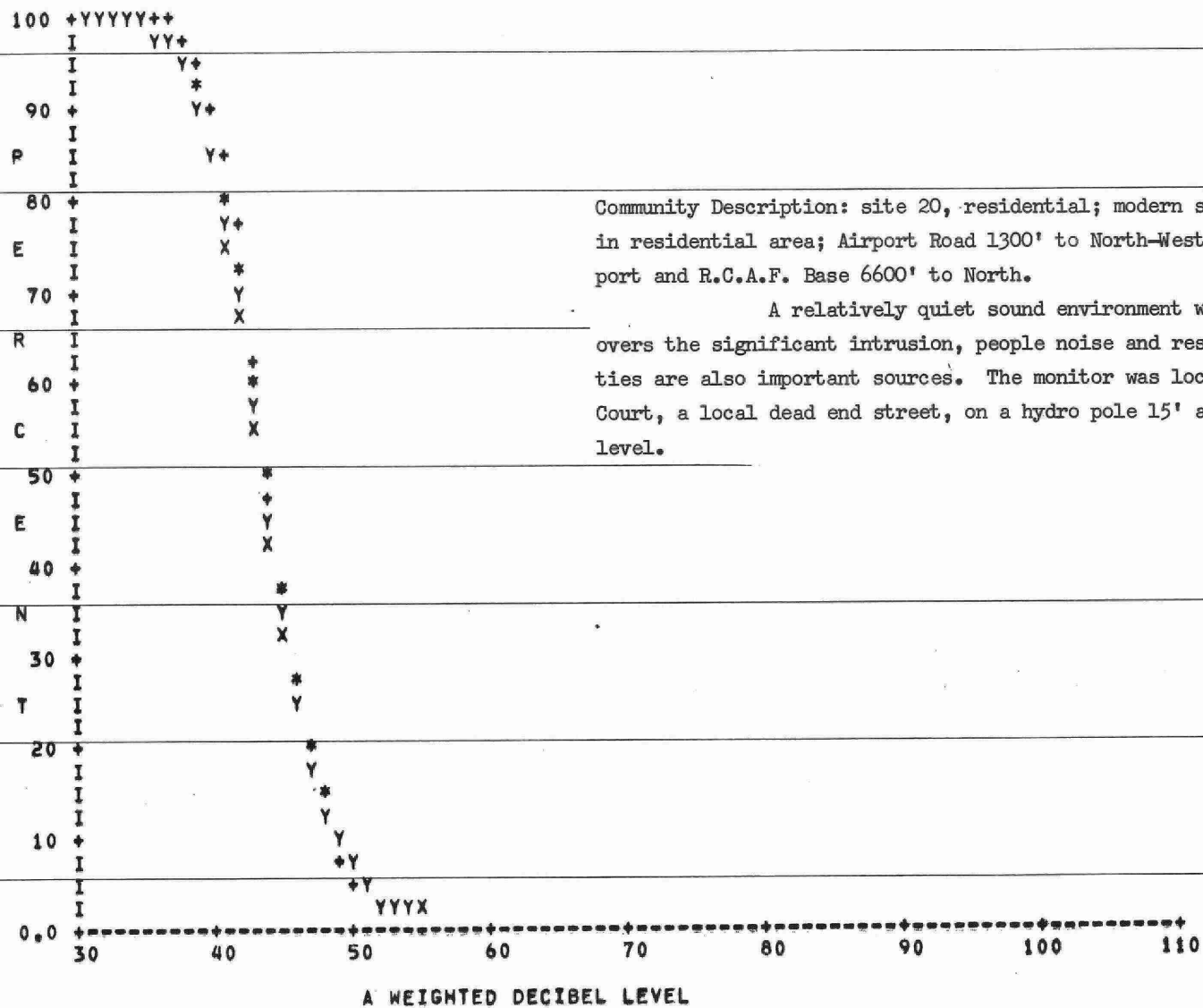
PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 19M61



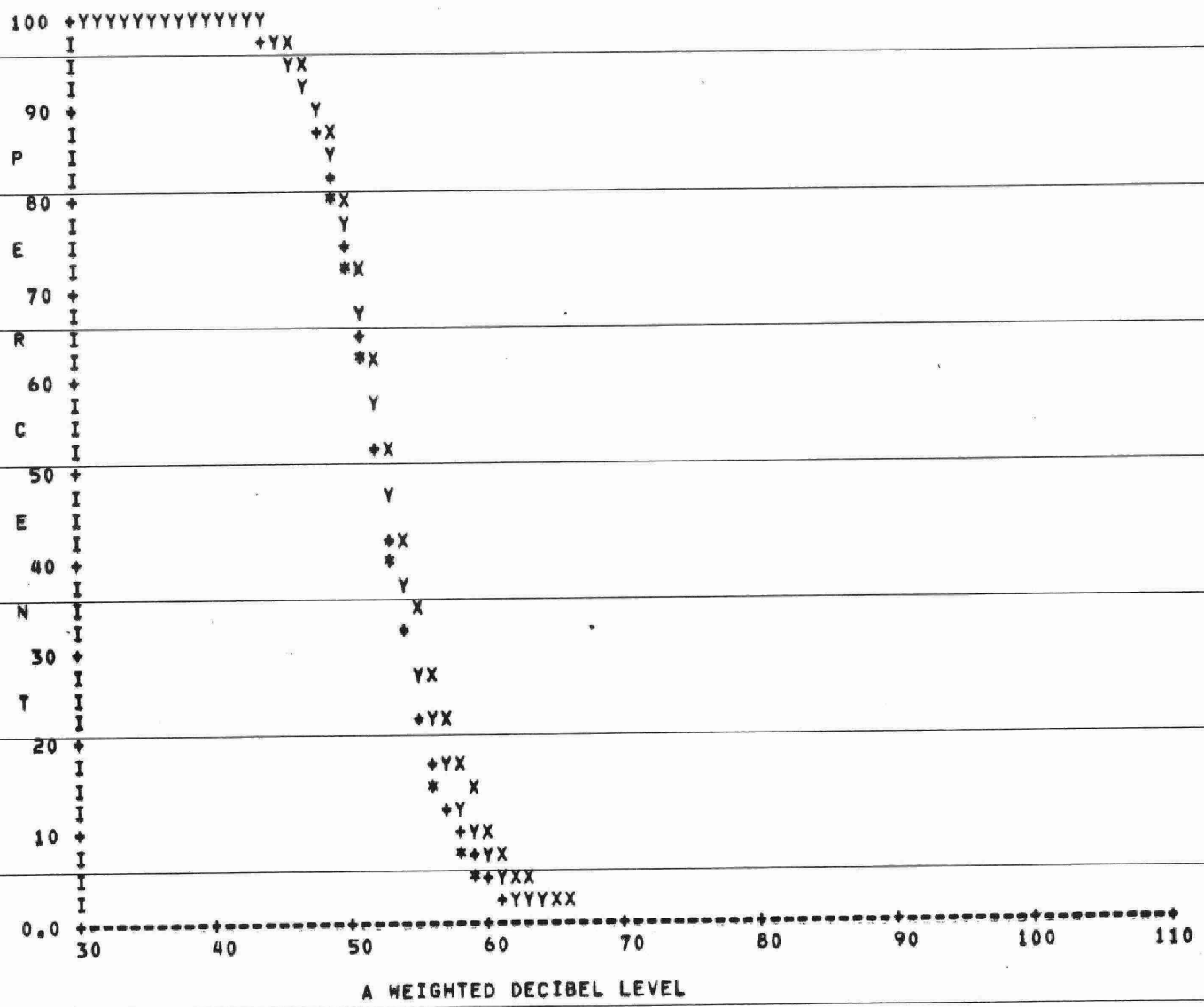
PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 20FG2



PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 20AG2



DATE AND LOCATION CODE

20UG2

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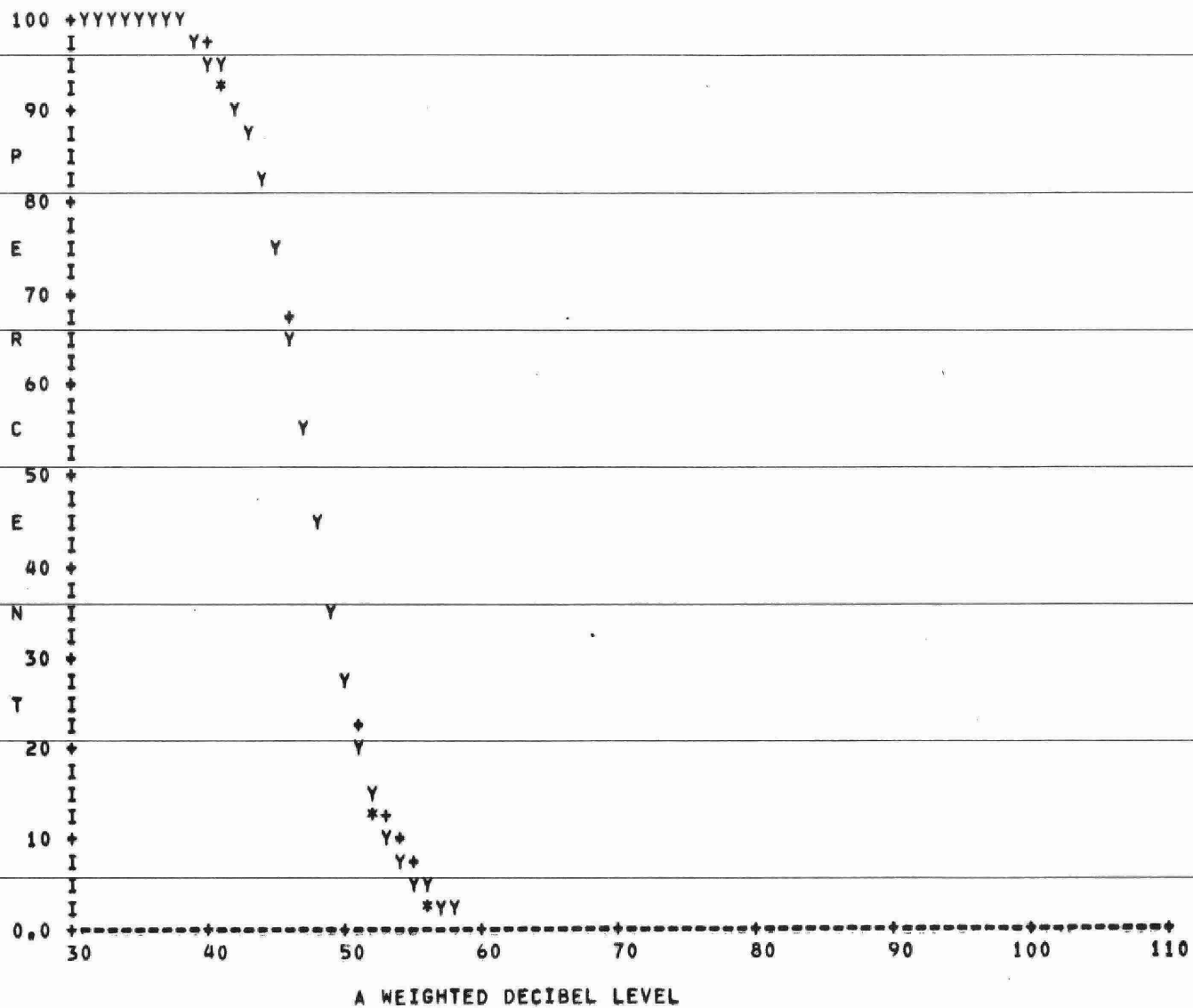
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HOUR OF DAY

PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

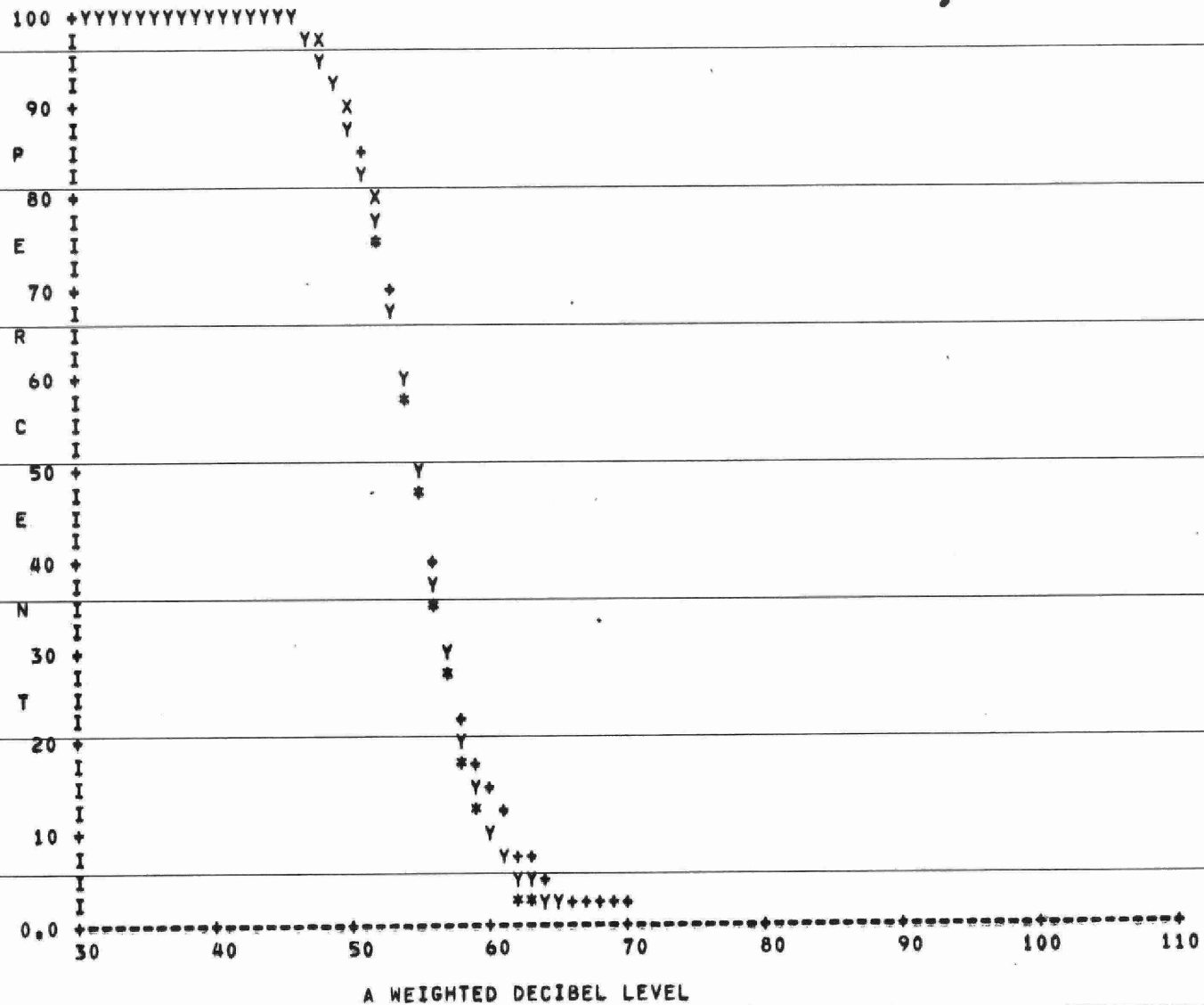
DATE AND LOCATION CODE 20UG2



[illegible]

PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 20MG2



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DATE AND LOCATION CODE 21F61

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A WEIGHTED DECIBEL LEVEL

Community Description: site 21, industrial; industrial area adjacent to highway; Highway 17 & 11, a major arterial, 350' to East; Ontario Northland Railway tracks 200' to South-East; Borden Chemical Plant 300' to South-East.

Industrial noise dominates the site, trains are a significant intrusion while distant traffic sounds are noticeable. The monitor was located on a hydro pole 15' above McGaughey Avenue, a local road.

24 HOUR NOISE CLIMATE

DATE AND LOCATION CODE

2 21 61

PERIOD

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7a.m.-7p.m. 68

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7p.m.-11p.m. 62

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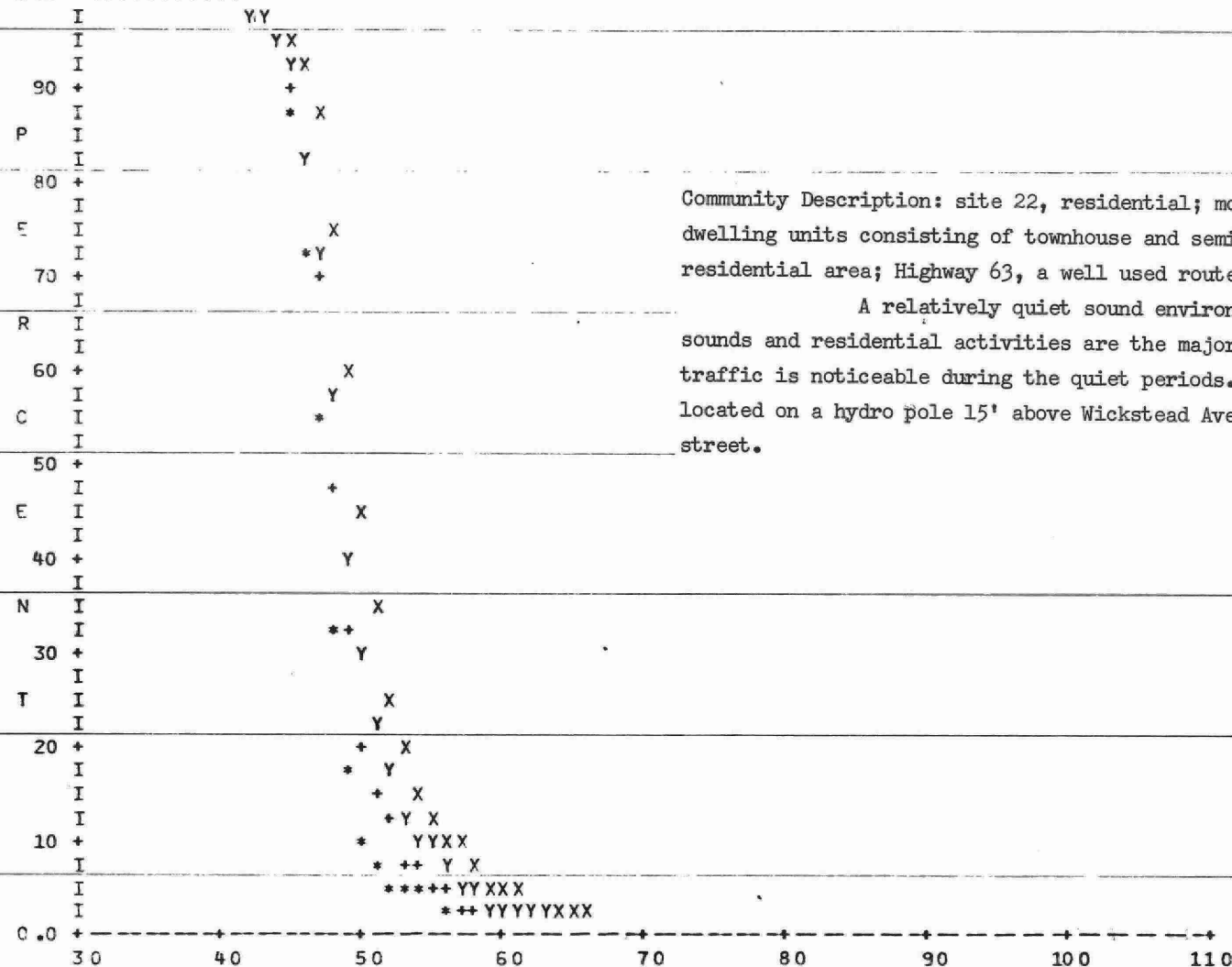
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HOUR OF DAY

DATE AND LOCATION CODE 22T01

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A WEIGHTED DECIBEL LEVEL

24 HOUR NOISE CLIMATE
DATE AND LOCATION CODE 23W61

PERIOD	L ₁	L ₁₀	L ₅₀	L ₉₀	TNI	L _{EQ}	SIGMA	NPL
11p.m.-7a.m.	55	49	46	44	33.5	47.5	2.4	53.7
7a.m.-7p.m.	64	53	48	45	46.5	52.6	4.1	63.1
7p.m.-11p.m.	60	51	47	44	41.5	50.1	3.5	59.0
24 hour	62	51	47	44	41.5	51.0	3.7	60.4

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HOUR OF DAY

DATE AND LOCATION CODE 23WG1

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Community Description: site 23, residential; modern single family homes in residential area; Trout Lake approx. 1000' to East; Highway 63, a well used route, 2000' to North.

A relatively quiet sound environment, people sounds and residential activities dominating, distant traffic is noticeable during quiet periods. The monitor was located on a hydro pole 15' above the intersection of Reginald Street at Donald Street, both local residential streets.

A WEIGHTED DECIBEL LEVEL

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DATE AND LOCATION CODE 24HG1

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Community Description: site 24, residential commercial; older single family homes adjacent to shopping plaza and small shops; Ferguson Avenue, a busy street, 200' to South; plaza buildings 150' to East; Cassell's Street, a major arterial, 1300' to North.

Parking lot activity and local traffic dominates the sound environment, residential activity is noticeable. The monitor was located on a hydro pole 15' above King Street, a busy street, directly in front of the plaza parking lot.

30 40 50 60 70 80 90 100 110

A WEIGHTED DECIBEL LEVEL

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24 HOUR NOISE CLIMATE

DATE AND LOCATION CODE

25H62

PERIOD

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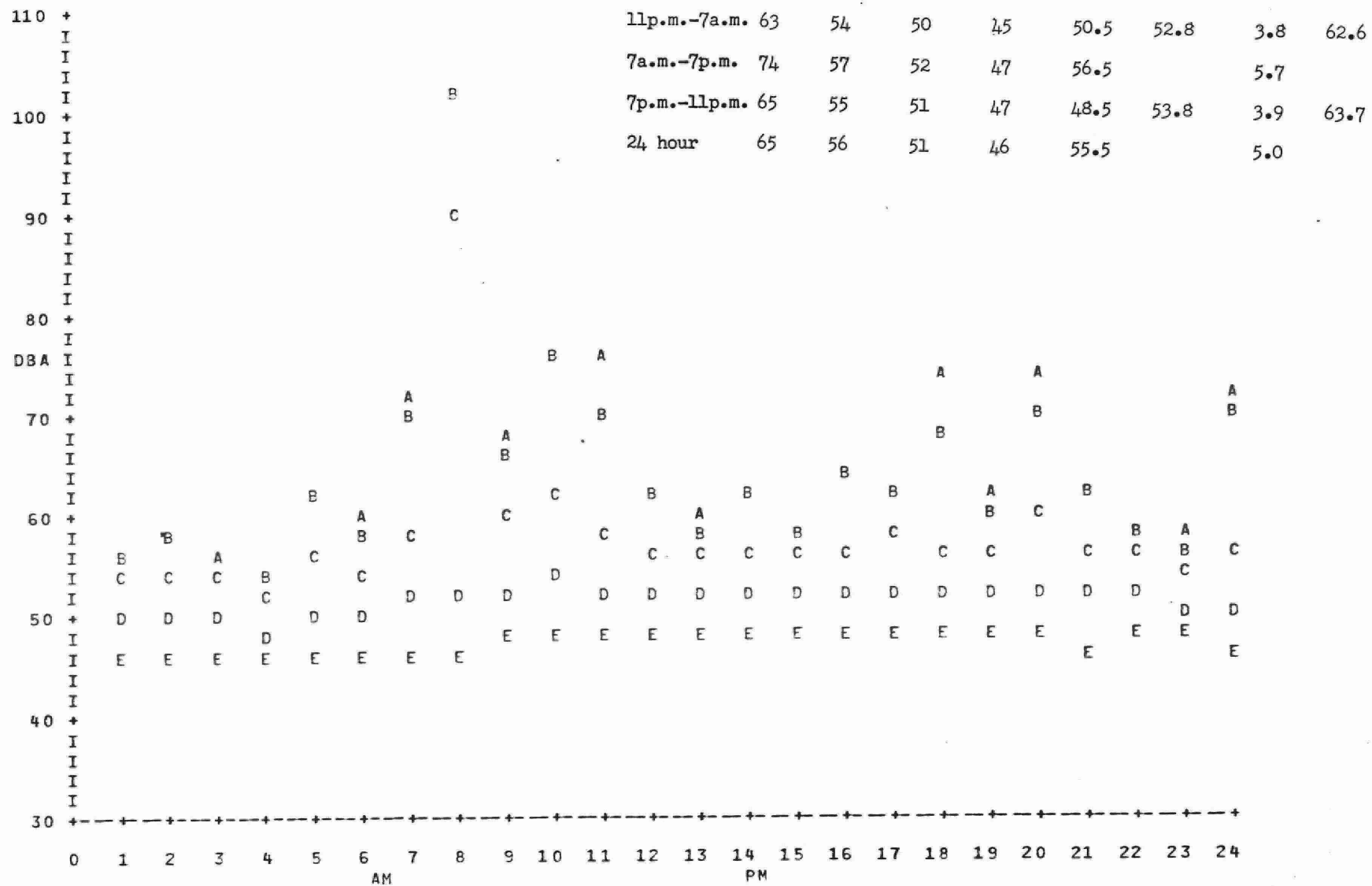
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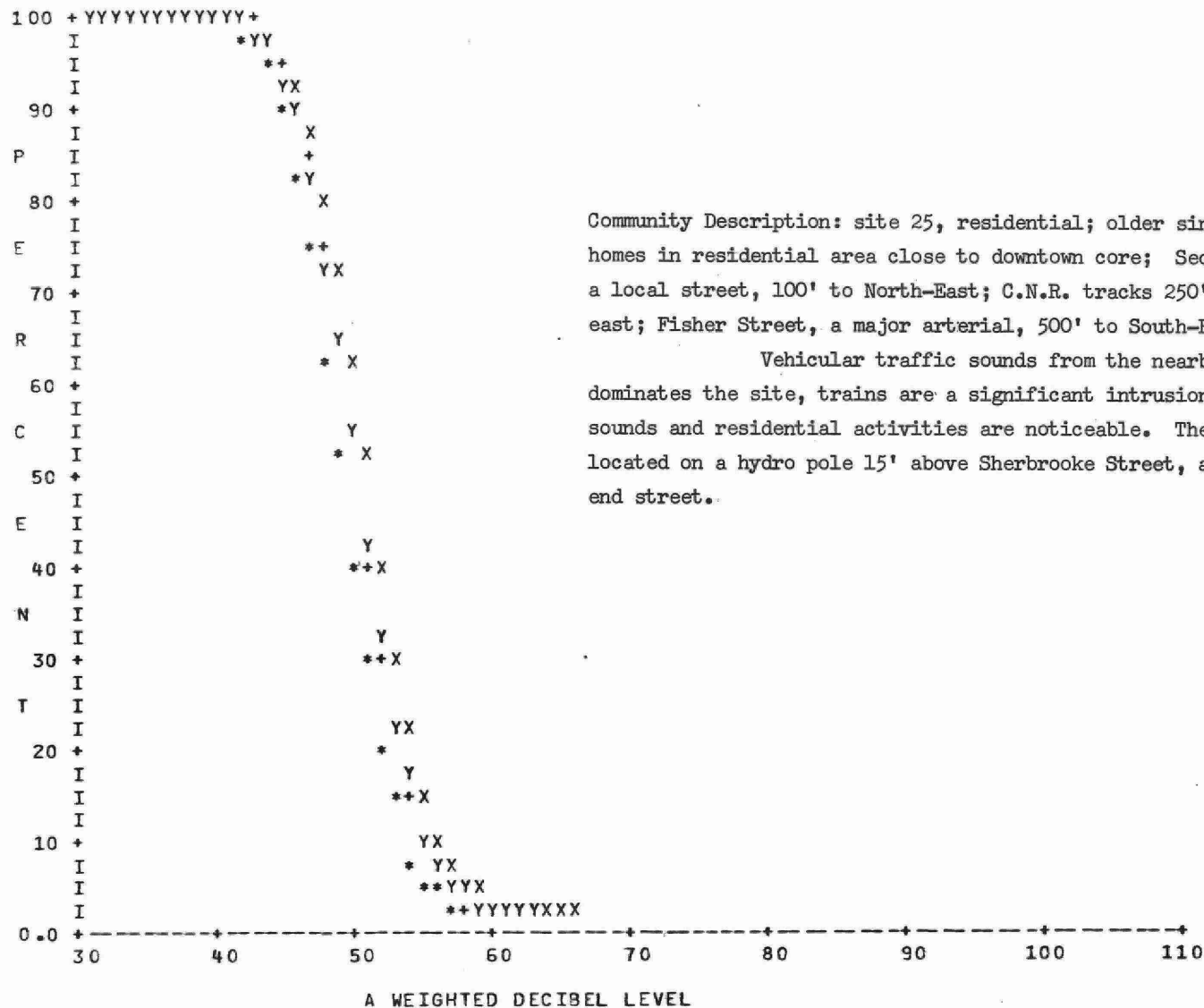
SIGMA

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HOUR OF DAY

DATE AND LOCATION CODE 25HG2



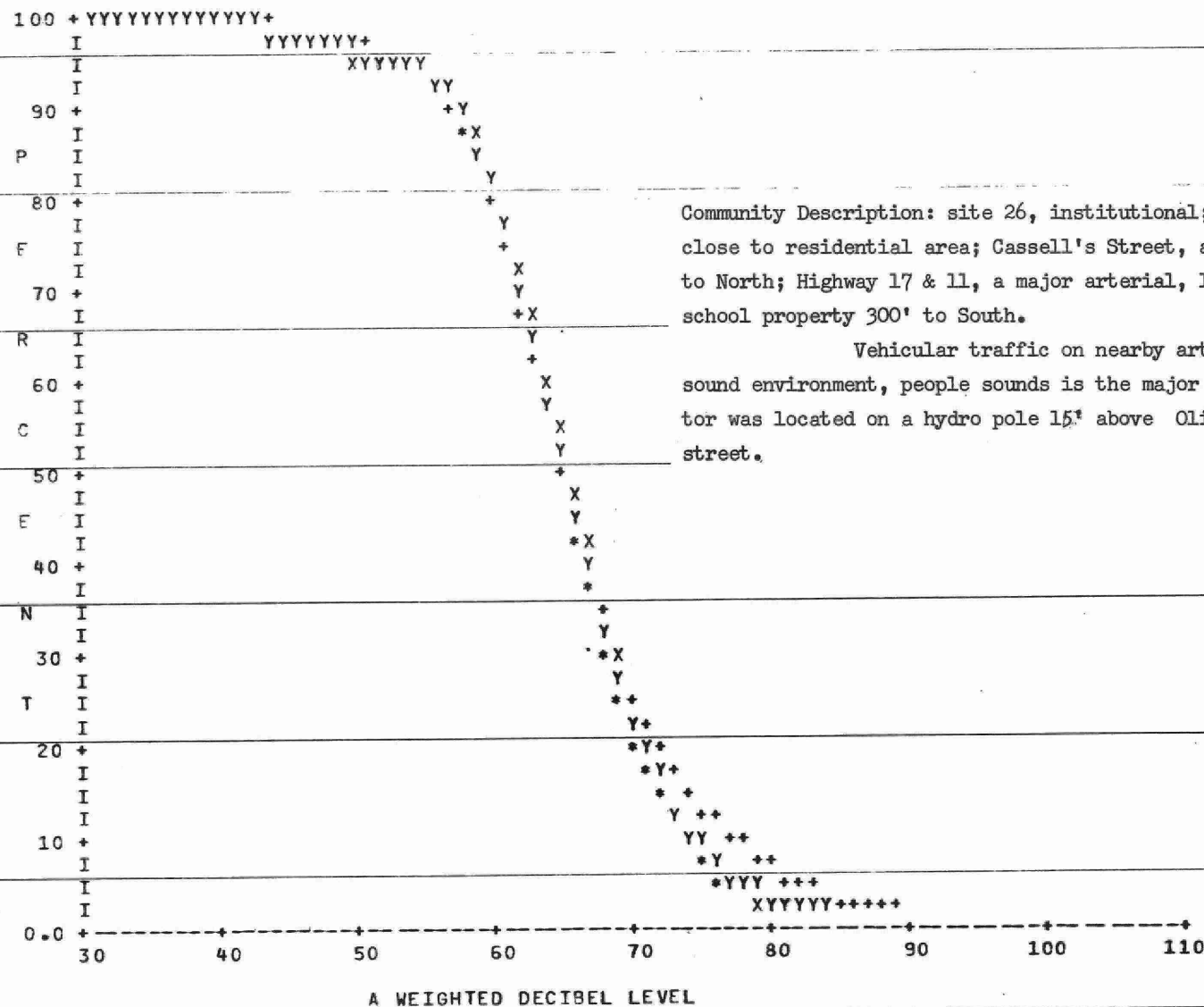
Community Description: site 25, residential; older single family homes in residential area close to downtown core; Second Avenue, a local street, 100' to North-East; C.N.R. tracks 250' to North-east; Fisher Street, a major arterial, 500' to South-East.

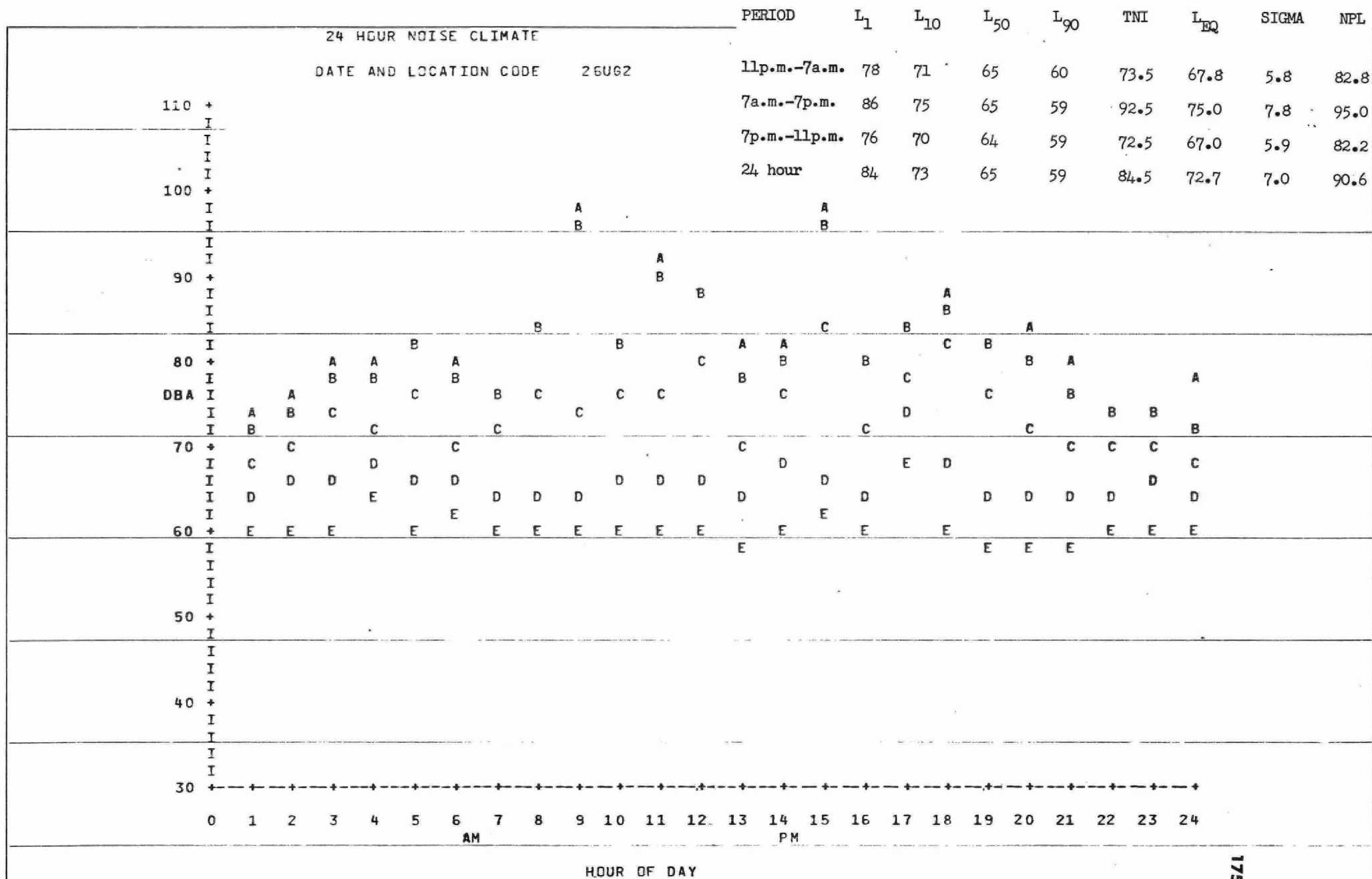
Vehicular traffic sounds from the nearby arterials dominates the site, trains are a significant intrusions while people sounds and residential activities are noticeable. The monitor was located on a hydro pole 15' above Sherbrooke Street, a local dead end street.

DATE AND LOCATION CODE 26AG2

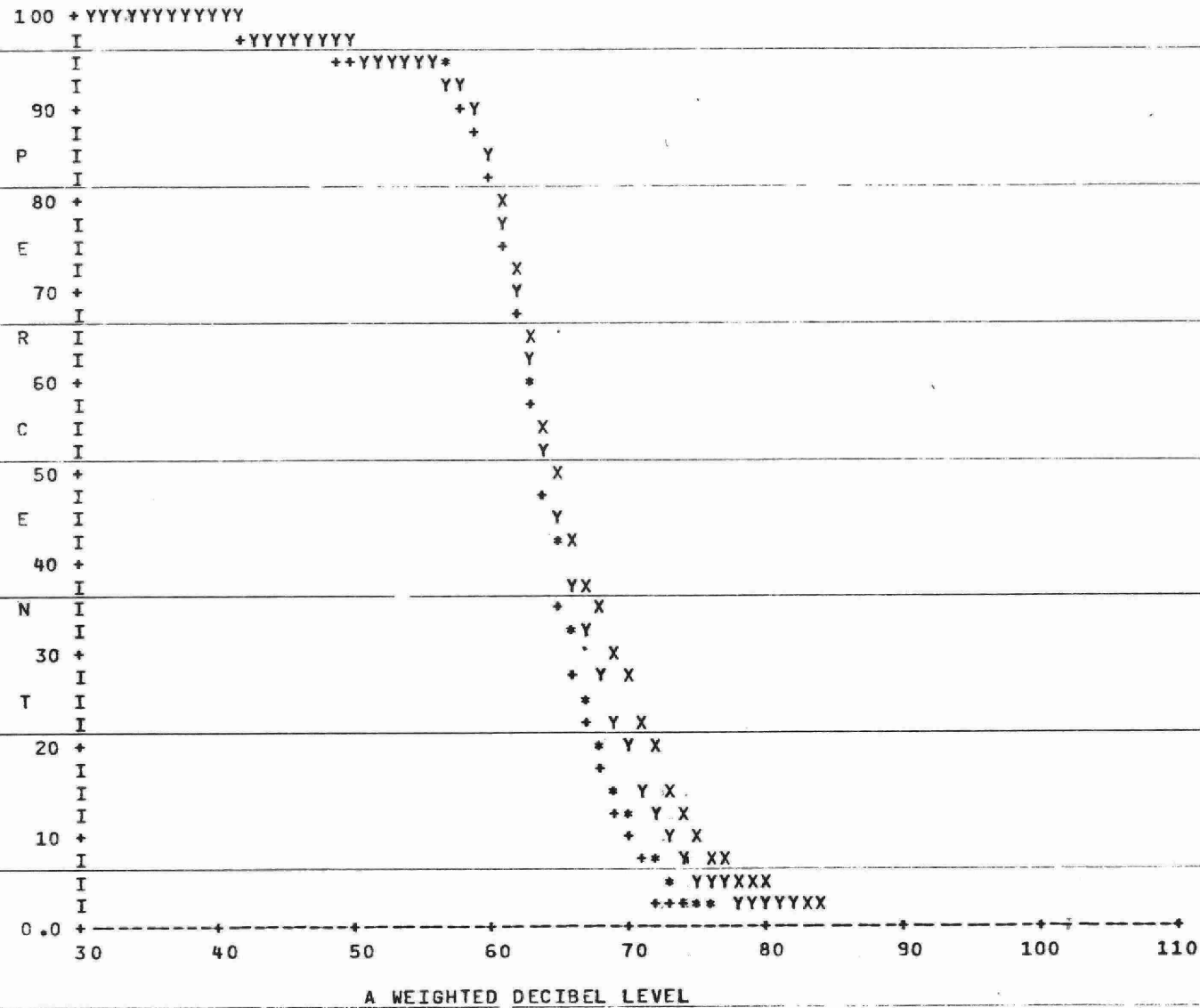
[illegible]

HOUR OF DAY



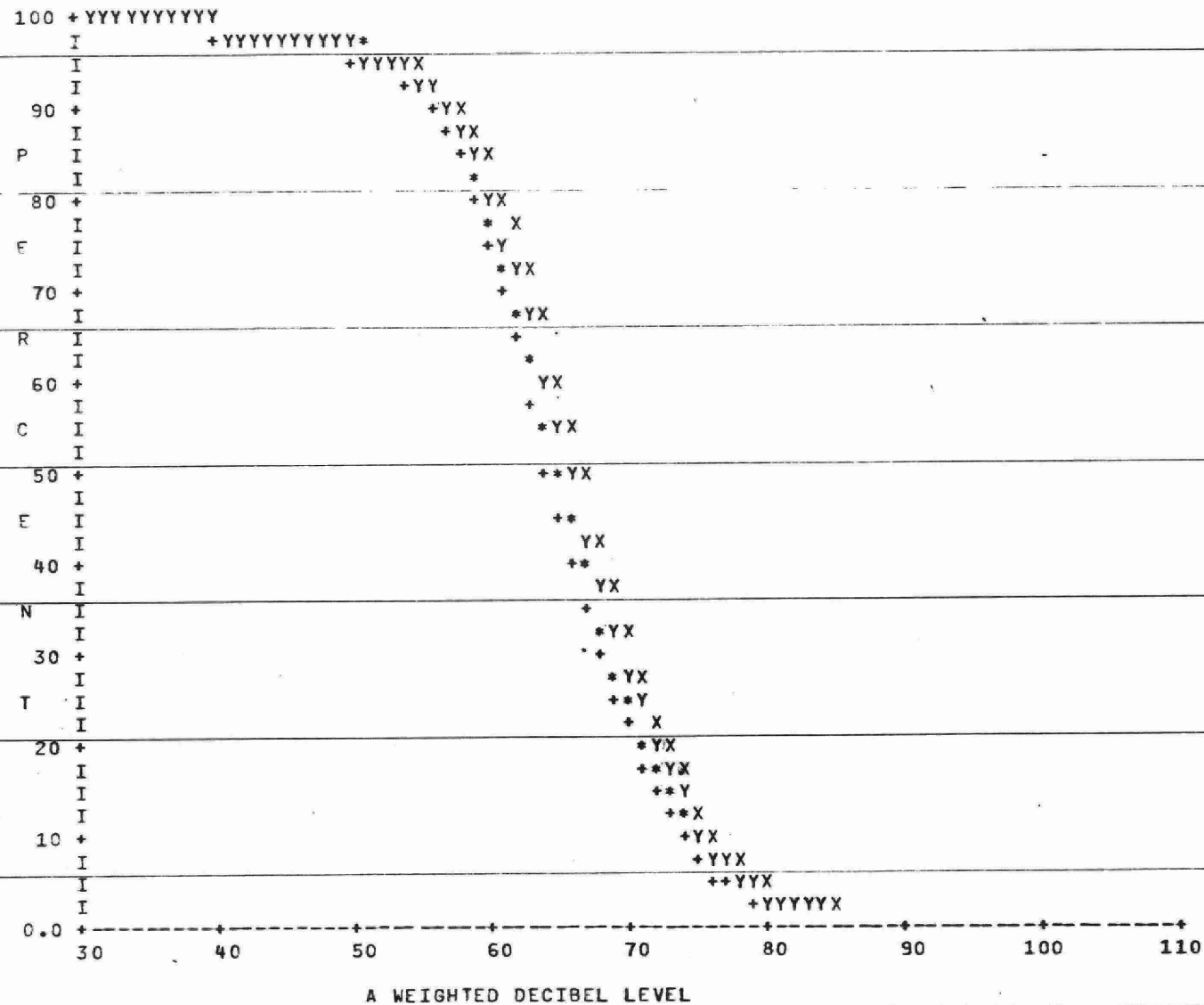


DATE AND LOCATION CODE 26UG2



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DATE AND LOCATION CODE 26M62



DATE AND LOCATION CODE 26TG2

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Journal of Management Inquiry 18(1)

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DATE AND LOCATION CODE 27T61

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A WEIGHTED DECIBEL LEVEL

Community Description: site 27, residential; multi-family apartments in residential area; Algonquin Avenue, a major arterial, 1000' to West; Rose Avenue, a local street, 150' to North.

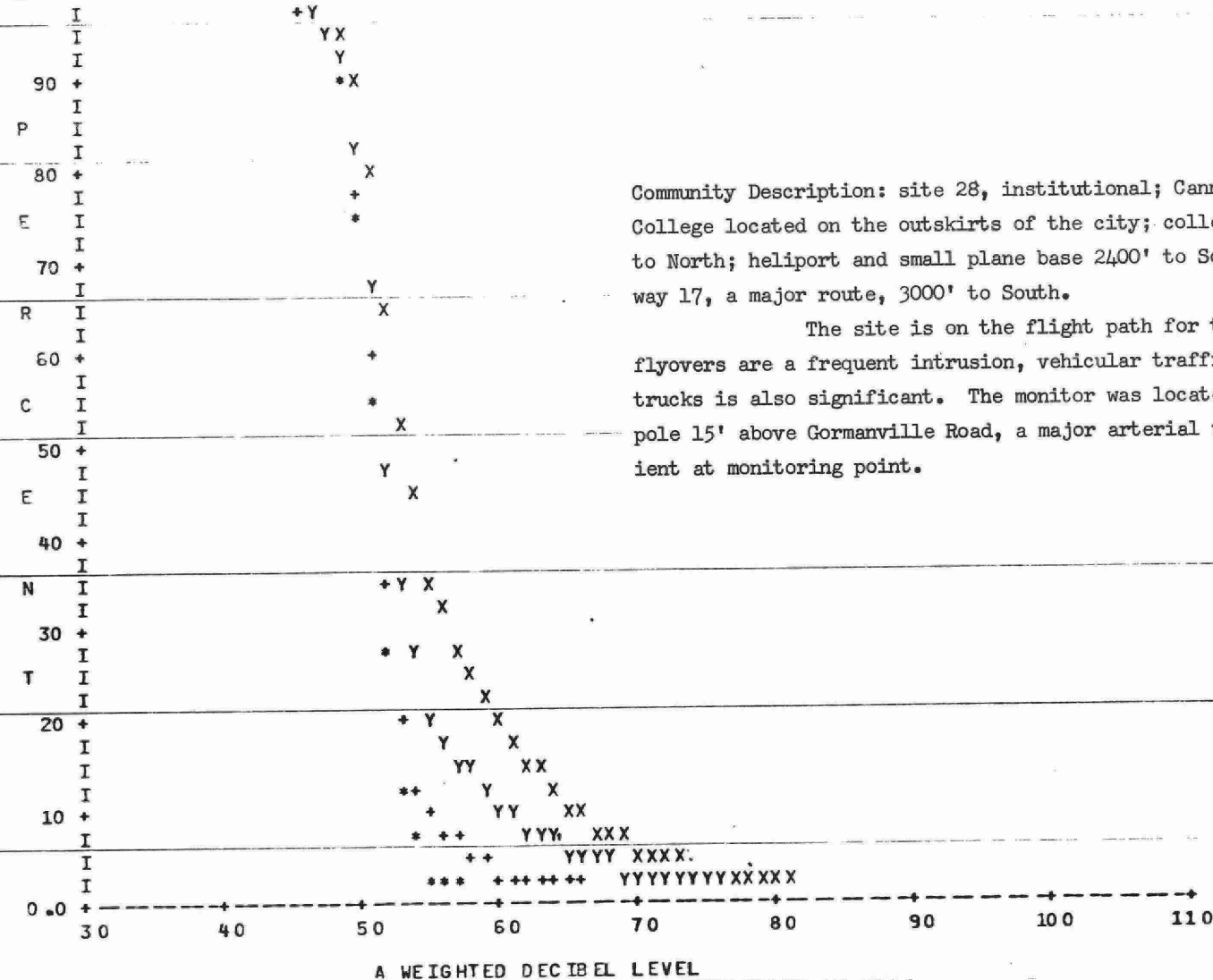
A relatively quiet sound environment, distant traffic people sounds and residential activities are the major intrusions. The monitor was located on a hydro pole 15' above Douglas Avenue, a local street.

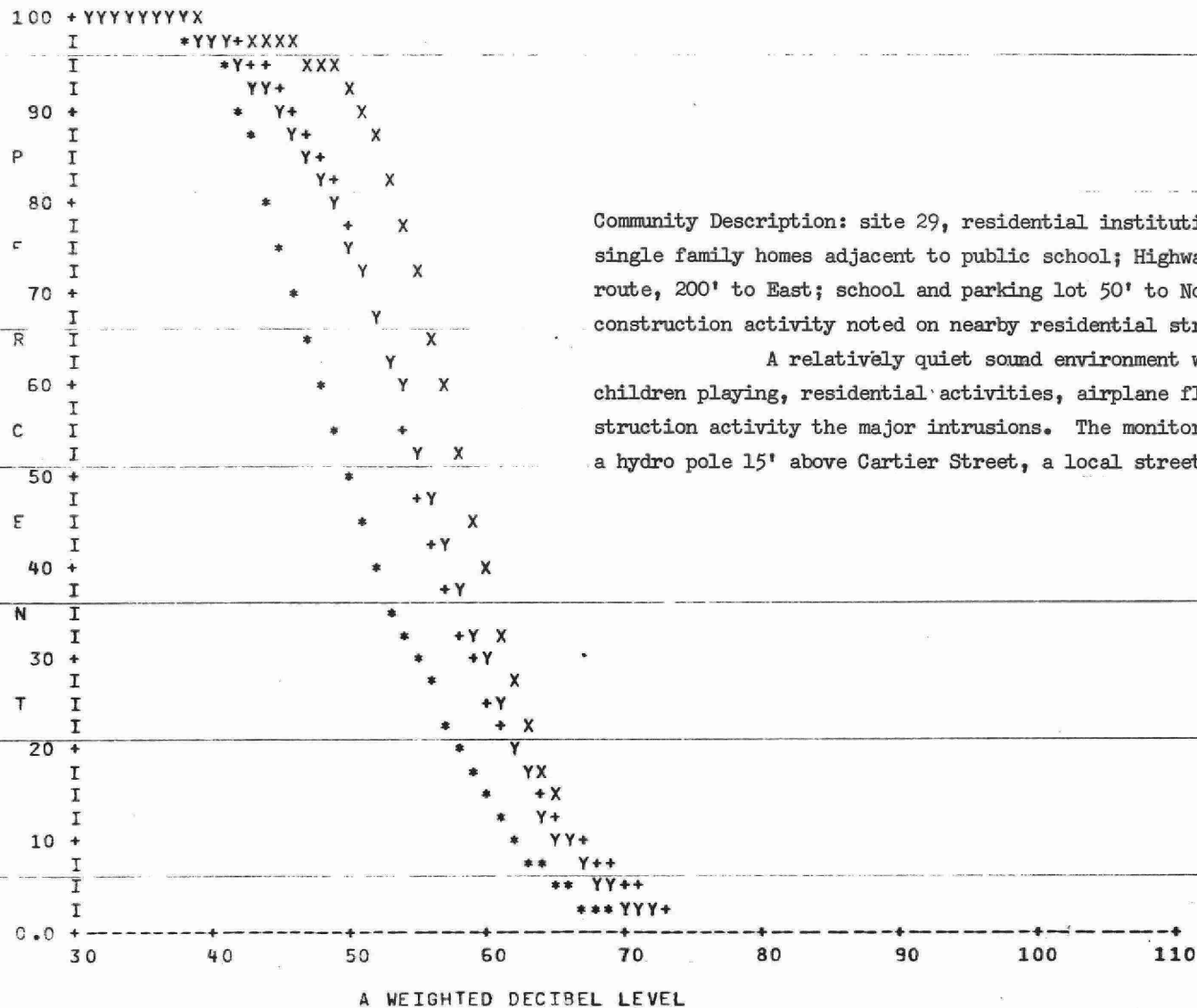
24 HOUR NOISE CLIMATE				PERIOD	L ₁	L ₁₀	L ₅₀	L ₉₀	TNI	L _{EQ}	SIGMA	NPL
DATE AND LOCATION CODE				28HF1								
110	+			11p.m.-7a.m.	60	54	52	50	35.5	54.4	2.4	60.0
	I			7a.m.-7p.m.	82	66	54	50	83.5	69.7	7.2	88.2
	I			7p.m.-11p.m.	68	56	52	50	43.5	56.1	3.5	65.0
100	+			24 hour	78	61	52	50	63.5	66.8	5.9	81.9
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PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 28HF1

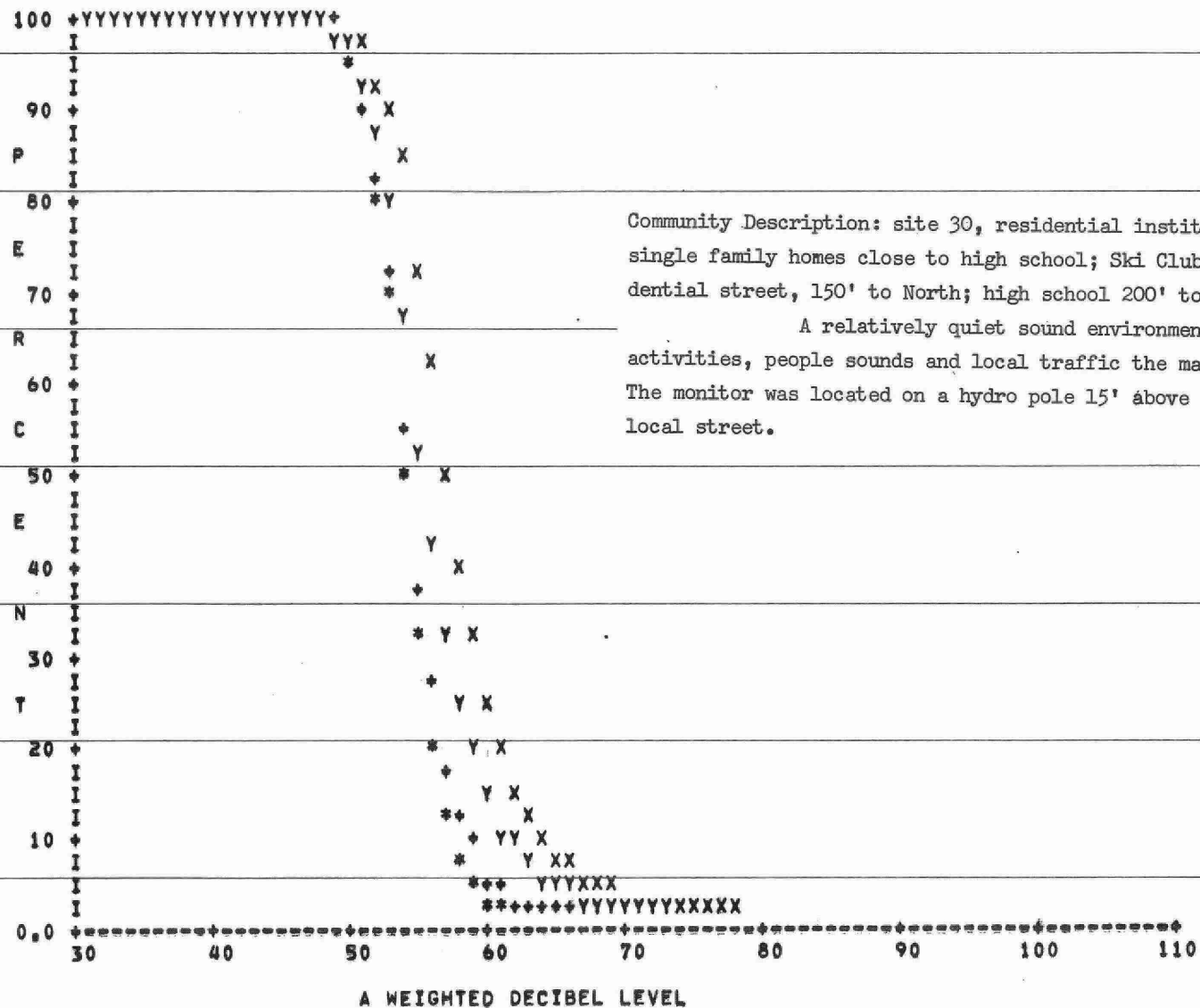
100 + YYYYYYYYYYYYYYYY





PERCENTAGE TIME DBA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 30TG2



[illegible]

PERCENTAGE TIME DSA LEVEL EQUALLED OR EXCEEDED

DATE AND LOCATION CODE 31T61

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A WEIGHTED DECIBEL LEVEL

Community Description: site 31, residential institutional; modern single family homes adjacent to public school; school 100' to North-East; Giroux Avenue, a local street, 300' to East; some construction activity noted in the vicinity.

A relatively quiet site, people sounds and residential activities the major intrusions. Construction activity at the time of monitoring was significant. The monitor was located on a hydro pole 15' above Norman Avenue, a residential street.

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